GI	none	Score	277
Exons	21339..21716, 21341..21763, 21544..21723, 22459..22557		
Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68195	Strand	-
Start	19156	End	28390
Name	OJ991028_17.0211.C9.o4.tm	Method	TBLASTX:Maize
Start	21437	End	21820
GI	none	Score	147
Exons	21437..21820, 21438..21716, 21691..21786		
Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68195	Strand	-
Start	19156	End	28390
Name	OJ991028_17.0211.C9.o2.tm	Method	TBLASTX:Maize
Start	21848	End	22204
GI	none	Score	232
Exons	21848..22204, 21849..22142, 21884..22150		
Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68195	Strand	-
Start	19156	End	28390
Name	OJ991028_17.0211.C9.o1.tw	Method	TBLASTX:Wheat
Start	21878	End	22333
GI	none	Score	375
Exons	21878..22333, 21879..22325, 21896..22333		
Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68195	Strand	-
Start	19156	End	28390
Name	OJ991028_17.0211.C9.o3.ts	Method	TBLASTX:Soybean
Start	21929	End	22294
GI	none	Score	108
Exons	21929..22063, 22070..22294		
Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68195	Strand	-
Start	19156	End	28390
Name	OJ991028_17.0211.C9.o3.np	Method	AAT/NAP
Start	22346	End	28390
GI	5902444	Score	1026
Exons	22346..24008, 27478..27720, 28307..28390		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68195	Strand	-
Start	19156	End	28390
Name	OJ991028_17.0211.C9.o6.tw	Method	TBLASTX:Wheat
Start	22559	End	22981
GI	none	Score	148
Exons	22559..22762, 22575..22760, 22799..22981, 22872..22973		
Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68195	Strand	-
Start	19156	End	28390
Name	OJ991028_17.0211.C9.o8.tw	Method	TBLASTX:Wheat
Start	23612	End	24010

BEST AVAILABLE COPY

GI	none	Score	74
Exons	23612..23887, 23613..23840, 23846..23959, 23898..23948, 23960..24010		

Seq. No.	32865	Seq. ID	OJ991028_17.0211.C9
Gene No.	68195	Strand	-
Start	19156	End	28390
Name	OJ991028_17.0211.C9.o7.gs	Method	GENSCAN
Start	27318	End	28373
GI	none	Score	1
Exons	27318..28373		

Seq. No.	32866	Seq. ID	OJ991028_17.0211.C10
Gene No.	68196	Strand	+
Start	36	End	3479
Name	OJ991028_17.0211.C10.o1.gs	Method	GENSCAN
Start	36	End	3479
GI	none	Score	.47
Exons	36..127, 176..250, 489..568, 2367..2563, 3396..3479		

Seq. No.	32867	Seq. ID	OJ991028_17.0211.C11
Gene No.	68197	Strand	+
Start	52	End	360
Name	OJ991028_17.0211.C11.o1.gs	Method	GENSCAN
Start	52	End	360
GI	none	Score	.85
Exons	52..360		

Seq. No.	32867	Seq. ID	OJ991028_17.0211.C11
Gene No.	68198	Strand	-
Start	499	End	574
Name	OJ991028_17.0211.C11.o2.gs	Method	GENSCAN
Start	499	End	574
GI	none	Score	.98
Exons	499..574		

Seq. No.	32867	Seq. ID	OJ991028_17.0211.C11
Gene No.	68199	Strand	-
Start	502	End	655
Name	OJ991028_17.0211.C11.o1.np	Method	AAT/NAP
Start	502	End	655
GI	6907089	Score	164
Exons	502..655		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	32868	Seq. ID	OJ991018_10.0218.C9
Gene No.	68200	Strand	+
Start	1	End	1307
Name	OJ991018_10.0218.C9.o1.np	Method	AAT/NAP
Start	1	End	1307
GI	5091513	Score	122
Exons	1..152, 612..727, 877..1307		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	32868	Seq. ID	OJ991018_10.0218.C9
Gene No.	68200	Strand	+
Start	1	End	1307

Name	OJ991018_10.0218.C9.o1.gs	Method	GENSCAN
Start	588	End	742
GI	none	Score	.5
Exons	588..742		

Seq. No.	32868	Seq. ID	OJ991018_10.0218.C9
Gene No.	68201	Strand	-
Start	5059	End	6632
Name	OJ991018_10.0218.C9.o2.np	Method	AAT/NAP
Start	5059	End	6632
GI	6539588	Score	114
Exons	5059..5089, 6376..6632		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	32869	Seq. ID	OJ991018_10.0218.C10
Gene No.	68202	Strand	-
Start	498	End	871
Name	OJ991018_10.0218.C10.o1.gs	Method	GENSCAN
Start	498	End	871
GI	none	Score	.78
Exons	498..614, 774..871		

Seq. No.	32870	Seq. ID	OJ991018_10.0218.C11
Gene No.	68203	Strand	+
Start	9030	End	11905
Name	OJ991018_10.0218.C11.o3.gs	Method	GENSCAN
Start	9030	End	11905
GI	none	Score	.46
Exons	9030..9143, 9350..9446, 9853..9992, 10096..10294, 11596..11686, 11731..11905		

Seq. No.	32870	Seq. ID	OJ991018_10.0218.C11
Gene No.	68204	Strand	+
Start	13757	End	16436
Name	OJ991018_10.0218.C11.o4.gs	Method	GENSCAN
Start	13757	End	16436
GI	none	Score	.58
Exons	13757..14034, 14161..14259, 14660..14778, 15094..15245, 15287..15459, 15752..15818, 16134..16436		

Seq. No.	32870	Seq. ID	OJ991018_10.0218.C11
Gene No.	68205	Strand	-
Start	1	End	23229
Name	OJ991018_10.0218.C11.o1.np	Method	AAT/NAP
Start	1	End	23229
GI	6751696	Score	227
Exons	1..48, 7021..7327, 18253..18492, 18677..18970, 23189..23229		
GI Descrip.	(AC018908) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32870	Seq. ID	OJ991018_10.0218.C11
Gene No.	68205	Strand	-
Start	1	End	23229
Name	OJ991018_10.0218.C11.o3.tm	Method	TBLASTX:Maize
Start	2417	End	2775
GI	none	Score	54
Exons	2417..2485, 2485..2775, 2493..2768		

Seq. No.	32870	Seq. ID	OJ991018_10.0218.C11
Gene No.	68205	Strand	-
Start	1	End	23229
Name	OJ991018_10.0218.C11.o2.np	Method	AAT/NAP
Start	19596	End	22850
GI	4680203	Score	1901
Exons	19596..20531, 20808..21037, 21197..22850		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	32870	Seq. ID	OJ991018_10.0218.C11
Gene No.	68205	Strand	-
Start	1	End	23229
Name	OJ991018_10.0218.C11.o6.gs	Method	GENSCAN
Start	19620	End	22851
GI	none	Score	.54
Exons	19620..20080, 20180..21080, 21330..21635, 21975..22111, 22503..22851		

Seq. No.	32870	Seq. ID	OJ991018_10.0218.C11
Gene No.	68205	Strand	-
Start	1	End	23229
Name	OJ991018_10.0218.C11.o1.tw	Method	TBLASTX:Wheat
Start	19674	End	20924
GI	none	Score	72
Exons	19674..19793, 19794..19898, 19807..19899, 19917..19970, 19933..19965, 19971..20027, 19971..20027, 20007..20171, 20038..20178, 20202..20384, 20299..20343, 20379..20924, 20392..20880		

Seq. No.	32870	Seq. ID	OJ991018_10.0218.C11
Gene No.	68205	Strand	-
Start	1	End	23229
Name	OJ991018_10.0218.C11.o3.ts	Method	TBLASTX:Soybean
Start	19737	End	19985
GI	none	Score	77
Exons	19737..19985, 19804..19983		

Seq. No.	32870	Seq. ID	OJ991018_10.0218.C11
Gene No.	68205	Strand	-
Start	1	End	23229
Name	OJ991018_10.0218.C11.o1.tc	Method	TBLASTX:Cress
Start	20211	End	20637
GI	none	Score	60
Exons	20211..20384, 20215..20343, 20379..20633, 20392..20637		

Seq. No.	32870	Seq. ID	OJ991018_10.0218.C11
Gene No.	68205	Strand	-
Start	1	End	23229
Name	OJ991018_10.0218.C11.o2.tm	Method	TBLASTX:Maize
Start	20568	End	20948
GI	none	Score	131
Exons	20568..20882, 20587..20883, 20895..20948		

Seq. No.	32870	Seq. ID	OJ991018_10.0218.C11
Gene No.	68205	Strand	-
Start	1	End	23229
Name	OJ991018_10.0218.C11.o4.tw	Method	TBLASTX:Wheat

Start	20940	End	21254
GI	none	Score	46
Exons	20940..21023, 20947..21024, 21051..21134, 21082..21123, 21135..21254, 21142..21240, 21165..21254		

Seq. No.	32870	Seq. ID	OJ991018_10.0218.C11
Gene No.	68205	Strand	-
Start	1	End	23229
Name	OJ991018_10.0218.C11.o4.tm	Method	TBLASTX:Maize
Start	21060	End	21251
GI	none	Score	66
Exons	21060..21251, 21061..21210		

Seq. No.	32870	Seq. ID	OJ991018_10.0218.C11
Gene No.	68205	Strand	-
Start	1	End	23229
Name	OJ991018_10.0218.C11.o2.ts	Method	TBLASTX:Soybean
Start	21366	End	21600
GI	none	Score	80
Exons	21366..21599, 21445..21600		

Seq. No.	32870	Seq. ID	OJ991018_10.0218.C11
Gene No.	68205	Strand	-
Start	1	End	23229
Name	OJ991018_10.0218.C11.o1.tm	Method	TBLASTX:Maize
Start	21435	End	21879
GI	none	Score	98
Exons	21435..21629, 21436..21630, 21645..21878, 21652..21879		

Seq. No.	32870	Seq. ID	OJ991018_10.0218.C11
Gene No.	68205	Strand	-
Start	1	End	23229
Name	OJ991018_10.0218.C11.o2.tw	Method	TBLASTX:Wheat
Start	21622	End	21936
GI	none	Score	203
Exons	21622..21918, 21648..21935, 21664..21936		

Seq. No.	32870	Seq. ID	OJ991018_10.0218.C11
Gene No.	68205	Strand	-
Start	1	End	23229
Name	OJ991018_10.0218.C11.o2.tc	Method	TBLASTX:Cress
Start	21723	End	22073
GI	none	Score	95
Exons	21723..22073, 21724..21876, 21916..22065		

Seq. No.	32870	Seq. ID	OJ991018_10.0218.C11
Gene No.	68205	Strand	-
Start	1	End	23229
Name	OJ991018_10.0218.C11.o4.ts	Method	TBLASTX:Soybean
Start	21804	End	22073
GI	none	Score	132
Exons	21804..22073, 21805..22059		

Seq. No.	32870	Seq. ID	OJ991018_10.0218.C11
Gene No.	68205	Strand	-
Start	1	End	23229
Name	OJ991018_10.0218.C11.o3.tw	Method	TBLASTX:Wheat

Start	21946	End	22394
GI	none	Score	71
Exons	21946..22047, 21963..22070, 22083..22394, 22098..22172		

Seq. No.	32870	Seq. ID	OJ991018_10.0218.C11
Gene No.	68205	Strand	-
Start	1	End	23229
Name	OJ991018_10.0218.C11.o1.ts	Method	TBLASTX:Soybean
Start	22090	End	22374
GI	none	Score	162
Exons	22090..22374, 22092..22373		

Seq. No.	32871	Seq. ID	OJ991018_10.0218.C12
Gene No.	68206	Strand	+
Start	2520	End	2609
Name	OJ991018_10.0218.C12.o1.np	Method	AAT/NAP
Start	2520	End	2609
GI	4680183	Score	108
Exons	2520..2609		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	32871	Seq. ID	OJ991018_10.0218.C12
Gene No.	68207	Strand	+
Start	12424	End	18277
Name	OJ991018_10.0218.C12.o2.gp	Method	AAT/GAP
Start	12363	End	13680
GI	2280898	Score	525
Exons	12363..12564, 12780..12866, 13634..13680		
GI Descrip.	3687239 1.0e-13 (AC005169) putative clathrin coat assembly protein [Arabidopsis thaliana]		

Seq. No.	32871	Seq. ID	OJ991018_10.0218.C12
Gene No.	68207	Strand	+
Start	12424	End	18277
Name	OJ991018_10.0218.C12.o2.np	Method	AAT/NAP
Start	12424	End	13933
GI	3687239	Score	578
Exons	12424..12564, 12780..12866, 13634..13702, 13802..13933		
GI Descrip.	(AC005169) putative clathrin assembly protein [Arabidopsis thaliana]		

Seq. No.	32871	Seq. ID	OJ991018_10.0218.C12
Gene No.	68207	Strand	+
Start	12424	End	18277
Name	OJ991018_10.0218.C12.o4.gs	Method	GENSCAN
Start	12424	End	18277
GI	none	Score	.52
Exons	12424..12717, 12780..12866, 13634..13834, 17014..17063, 18100..18277		

Seq. No.	32871	Seq. ID	OJ991018_10.0218.C12
Gene No.	68207	Strand	+
Start	12424	End	18277
Name	OJ991018_10.0218.C12.o3.gp	Method	AAT/GAP
Start	13801	End	14203
GI	20850_1.R1084	Score	690
Exons	13801..14203		

GI Descrip. '3687239 3.0e-18 (AC005169) putative clathrin coat assembly protein [Arabidopsis thaliana]'

Seq. No.	32871	Seq. ID	OJ991018_10.0218.C12
Gene No.	68208	Strand	+
Start	18600	End	25441
Name	OJ991018_10.0218.C12.o5.gs	Method	GENSCAN
Start	18600	End	25441
GI	none	Score	.56
Exons	18600..18606, 18782..18967, 19025..19504, 21136..21230, 22453..23130, 23915..24044, 24376..24479, 24814..24921, 24961..25104, 25289..25441		

Seq. No.	32871	Seq. ID	OJ991018_10.0218.C12
Gene No.	68209	Strand	+
Start	28856	End	39586
Name	OJ991018_10.0218.C12.o6.gs	Method	GENSCAN
Start	28856	End	38194
GI	none	Score	.59
Exons	28856..28862, 29829..29931, 30637..30830, 30968..32352, 33756..33842, 34883..35069, 36119..36196, 36687..36866, 37103..37302, 37723..37849, 38100..38194		

Seq. No.	32871	Seq. ID	OJ991018_10.0218.C12
Gene No.	68209	Strand	+
Start	28856	End	39586
Name	OJ991018_10.0218.C12.o5.gp	Method	AAT/GAP
Start	30657	End	31001
GI	2442632	Score	372
Exons	30657..30830, 30968..31001		

Seq. No.	32871	Seq. ID	OJ991018_10.0218.C12
Gene No.	68209	Strand	+
Start	28856	End	39586
Name	OJ991018_10.0218.C12.o4.np	Method	AAT/NAP
Start	31117	End	32379
GI	6523029	Score	271
Exons	31117..31433, 31475..32379		
GI Descrip.	(AL132976) putative protein [Arabidopsis thaliana]		

Seq. No.	32871	Seq. ID	OJ991018_10.0218.C12
Gene No.	68209	Strand	+
Start	28856	End	39586
Name	OJ991018_10.0218.C12.o5.np	Method	AAT/NAP
Start	32612	End	35043
GI	3687239	Score	94
Exons	32612..32645, 33734..33842, 34940..35043		
GI Descrip.	(AC005169) putative clathrin assembly protein [Arabidopsis thaliana]		

Seq. No.	32871	Seq. ID	OJ991018_10.0218.C12
Gene No.	68209	Strand	+
Start	28856	End	39586
Name	OJ991018 10.0218.C12.o6.np	Method	AAT/NAP
Start	36386	End	39586
GI	6539588	Score	226
Exons	36386..36412, 37103..37382, 39545..39586		

GI Descrip. (AP000837) hypothetical protein [Oryza sativa]

Seq. No.	32871	Seq. ID	OJ991018_10.0218.C12
Gene No.	68210	Strand	+
Start	40365	End	41760
Name	OJ991018_10.0218.C12.o7.gs	Method	GENSCAN
Start	40365	End	41760
GI	none	Score	.64
Exons	40365..40417, 40884..41014, 41552..41760		

Seq. No.	32871	Seq. ID	OJ991018_10.0218.C12
Gene No.	68211	Strand	-
Start	1781	End	1892
Name	OJ991018_10.0218.C12.o1.gp	Method	AAT/GAP
Start	1781	End	1892
GI	uC-osflcyp088b12b1	Score	156
Exons	1781..1892		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	32871	Seq. ID	OJ991018_10.0218.C12
Gene No.	68212	Strand	-
Start	4382	End	23094
Name	OJ991018_10.0218.C12.o3.np	Method	AAT/NAP
Start	4382	End	23094
GI	2924444	Score	93
Exons	4382..4451, 11320..11398, 12450..12651, 19206..19438, 22698..23094		
GI Descrip.	(AL022022) PE_PGRS [Mycobacterium tuberculosis]		

Seq. No.	32871	Seq. ID	OJ991018_10.0218.C12
Gene No.	68212	Strand	-
Start	4382	End	23094
Name	OJ991018_10.0218.C12.o2.gs	Method	GENSCAN
Start	6098	End	9763
GI	none	Score	.56
Exons	6098..6705, 6814..6961, 7047..7982, 8062..8274, 9677..9763		

Seq. No.	32871	Seq. ID	OJ991018_10.0218.C12
Gene No.	68212	Strand	-
Start	4382	End	23094
Name	OJ991018_10.0218.C12.o3.gs	Method	GENSCAN
Start	10560	End	11531
GI	none	Score	.64
Exons	10560..10632, 10848..10987, 11469..11531		

Seq. No.	32871	Seq. ID	OJ991018_10.0218.C12
Gene No.	68213	Strand	-
Start	24196	End	33882
Name	OJ991018_10.0218.C12.o2.tm	Method	TBLASTX:Maize
Start	932	End	1330
GI	none	Score	50
Exons	932..1261, 950..1084, 1133..1261, 1247..1330		

Seq. No.	32871	Seq. ID	OJ991018_10.0218.C12
Gene No.	68213	Strand	-
Start	24196	End	33882

Name	OJ991018_10.0218.C12.o1.tw	Method	TBLASTX:Wheat
Start	4867	End	5286
GI	none	Score	140
Exons	4867..5286, 4976..5275		

Seq. No.	32871	Seq. ID	OJ991018_10.0218.C12
Gene No.	68213	Strand	-
Start	24196	End	33882
Name	OJ991018_10.0218.C12.o1.tm	Method	TBLASTX:Maize
Start	12391	End	33882
GI	none	Score	233
Exons	12391..12564, 12423..12563, 12776..12865, 12777..12866, 12778..12897, 13617..13700, 13631..13702, 13633..13701, 13801..13968, 13802..13942, 13848..13979, 33752..33841, 33753..33842, 33757..33882		

Seq. No.	32871	Seq. ID	OJ991018_10.0218.C12
Gene No.	68213	Strand	-
Start	24196	End	33882
Name	OJ991018_10.0218.C12.o1.tc	Method	TBLASTX:Cress
Start	12417	End	33842
GI	none	Score	208
Exons	12417..12563, 12424..12564, 12776..12865, 12777..12866, 13631..13702, 13633..13701, 13757..13891, 13801..13923, 13802..13927, 13848..13973, 33752..33841, 33753..33842		

Seq. No.	32871	Seq. ID	OJ991018_10.0218.C12
Gene No.	68213	Strand	-
Start	24196	End	33882
Name	OJ991018_10.0218.C12.o2.ts	Method	TBLASTX:Soybean
Start	12423	End	33842
GI	none	Score	209
Exons	12423..12563, 12424..12564, 12776..12865, 12777..12866, 33752..33841, 33753..33842		

Seq. No.	32871	Seq. ID	OJ991018_10.0218.C12
Gene No.	68213	Strand	-
Start	24196	End	33882
Name	OJ991018_10.0218.C12.o1.ts	Method	TBLASTX:Soybean
Start	13624	End	13939
GI	none	Score	96
Exons	13624..13701, 13625..13702, 13631..13702, 13804..13935, 13805..13936, 13811..13939		

Seq. No.	32871	Seq. ID	OJ991018_10.0218.C12
Gene No.	68213	Strand	-
Start	24196	End	33882
Name	OJ991018_10.0218.C12.o2.tw	Method	TBLASTX:Wheat
Start	13631	End	14058
GI	none	Score	116
Exons	13631..13702, 13633..13701, 13755..13928, 13801..13935, 13801..13932, 13802..13936, 14017..14058		

Seq. No.	32871	Seq. ID	OJ991018_10.0218.C12
Gene No.	68213	Strand	-
Start	24196	End	33882
Name	OJ991018_10.0218.C12.o4.gp	Method	AAT/GAP

Start	24196	End	25231
GI	25465_1.R1084	Score	841
Exons	24196..24433, 24996..25231		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	32872	Seq. ID	OJ991018_10.0218.C14
Gene No.	68214	Strand	+
Start	143	End	518
Name	OJ991018_10.0218.C14.o1.gs	Method	GENSCAN
Start	143	End	518
GI	none	Score	.8
Exons	143..386, 397..518		

Seq. No.	32872	Seq. ID	OJ991018_10.0218.C14
Gene No.	68215	Strand	+
Start	2885	End	8131
Name	OJ991018_10.0218.C14.o2.gs	Method	GENSCAN
Start	2885	End	7925
GI	none	Score	.55
Exons	2885..2989, 3991..4060, 4687..4840, 4911..5132, 6894..6982, 7211..7330, 7652..7925		

Seq. No.	32872	Seq. ID	OJ991018_10.0218.C14
Gene No.	68215	Strand	+
Start	2885	End	8131
Name	OJ991018_10.0218.C14.o1.np	Method	AAT/NAP
Start	7625	End	8131
GI	6539588	Score	234
Exons	7625..7947, 8109..8131		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	32873	Seq. ID	OJ991018_10.0218.C15
Gene No.	68216	Strand	+
Start	854	End	1389
Name	OJ991018_10.0218.C15.o1.np	Method	AAT/NAP
Start	854	End	1389
GI	6539588	Score	132
Exons	854..1156, 1344..1389		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	32874	Seq. ID	OJ991018_10.0218.C16
Gene No.	68217	Strand	+
Start	16077	End	17382
Name	OJ991018_10.0218.C16.o1.np	Method	AAT/NAP
Start	16077	End	17382
GI	6815099	Score	94
Exons	16077..16135, 17268..17382		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	32874	Seq. ID	OJ991018_10.0218.C16
Gene No.	68218	Strand	+
Start	18661	End	21722
Name	OJ991018_10.0218.C16.o4.gs	Method	GENSCAN
Start	18661	End	21722
GI	none	Score	.69
Exons	18661..18822, 19260..19302, 19762..19872, 20558..20650,		

21303..21520, 21594..21722

Seq. No.	32874	Seq. ID	OJ991018_10.0218.C16
Gene No.	68219	Strand	-
Start	906	End	4853
Name	OJ991018_10.0218.C16.o1.gs	Method	GENSCAN
Start	906	End	4853
GI	none	Score	.55
Exons	906..1155, 1453..1669, 1947..2024, 2694..2897, 4802..4853		

Seq. No.	32874	Seq. ID	OJ991018_10.0218.C16
Gene No.	68220	Strand	-
Start	6550	End	13103
Name	OJ991018_10.0218.C16.o2.gs	Method	GENSCAN
Start	6550	End	13103
GI	none	Score	.57
Exons	6550..6634, 6725..6931, 9493..9598, 13034..13103		

Seq. No.	32874	Seq. ID	OJ991018_10.0218.C16
Gene No.	68221	Strand	-
Start	22685	End	23127
Name	OJ991018_10.0218.C16.o5.gs	Method	GENSCAN
Start	22685	End	23127
GI	none	Score	.99
Exons	22685..23127		

Seq. No.	32875	Seq. ID	OJ991018_10.0218.C17
Gene No.	68222	Strand	+
Start	1653	End	1878
Name	OJ991018_10.0218.C17.o1.gp	Method	AAT/GAP
Start	1653	End	1878
GI	2312838	Score	63
Exons	1653..1710, 1851..1878		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	32875	Seq. ID	OJ991018_10.0218.C17
Gene No.	68223	Strand	-
Start	2726	End	2864
Name	OJ991018_10.0218.C17.o2.gs	Method	GENSCAN
Start	2726	End	2864
GI	none	Score	.81
Exons	2726..2864		

Seq. No.	32876	Seq. ID	OJ991018_10.0218.C18
Gene No.	68224	Strand	-
Start	1	End	7199
Name	OJ991018_10.0218.C18.o1.np	Method	AAT/NAP
Start	1	End	4533
GI	6539588	Score	188
Exons	1..55, 4219..4533		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	32876	Seq. ID	OJ991018_10.0218.C18
Gene No.	68224	Strand	-
Start	1	End	7199
Name	OJ991018_10.0218.C18.o1.gs	Method	GENSCAN

Start	2043	End	7199
GI	none	Score	.75
Exons	2043..2209, 2600..2687, 3274..3345, 4043..4158, 4283..4474, 5951..6107, 6279..6625, 6875..7199		

Seq. No.	32877	Seq. ID	OJ991028_16.0225.C1
Gene No.	68225	Strand	-
Start	12	End	3286
Name	OJ991028_16.0225.C1.o1.gs	Method	GENSCAN
Start	12	End	3280
GI	none	Score	.68
Exons	12..132, 212..281, 394..452, 559..762, 786..939, 1705..1826, 2138..2196, 2670..2774, 2829..3022, 3054..3280		

Seq. No.	32877	Seq. ID	OJ991028_16.0225.C1
Gene No.	68225	Strand	-
Start	12	End	3286
Name	OJ991028_16.0225.C1.o1.np	Method	AAT/NAP
Start	858	End	3286
GI	5453573	Score	98
Exons	858..939, 1019..1076, 1567..1628, 1705..1826, 2829..2973, 3156..3286		
GI Descrip.	brefeldin A-inhibited guanine nucleotide-exchange protein 2 gi|5052123|gb|AAD38428.1| (AF084521) brefeldin A-inhibited guanine nucleotide-exchange protein 2 [Homo sapiens]		

Seq. No.	32877	Seq. ID	OJ991028_16.0225.C1
Gene No.	68226	Strand	-
Start	5073	End	5265
Name	OJ991028_16.0225.C1.o2.gs	Method	GENSCAN
Start	5073	End	5265
GI	none	Score	.79
Exons	5073..5265		

Seq. No.	32878	Seq. ID	OJ991028_16.0225.C2
Gene No.	68227	Strand	+
Start	123	End	1734
Name	OJ991028_16.0225.C2.o1.gs	Method	GENSCAN
Start	123	End	671
GI	none	Score	.79
Exons	123..671		

Seq. No.	32878	Seq. ID	OJ991028_16.0225.C2
Gene No.	68227	Strand	+
Start	123	End	1734
Name	OJ991028_16.0225.C2.o1.np	Method	AAT/NAP
Start	123	End	1734
GI	2443880	Score	105
Exons	123..522, 1702..1734		
GI Descrip.	(AC002294) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32878	Seq. ID	OJ991028_16.0225.C2
Gene No.	68228	Strand	-
Start	307	End	899
Name	OJ991028_16.0225.C2.o1.gp	Method	AAT/GAP
Start	307	End	899
GI	3444997	Score	872

Exons	307..899		
Seq. No.	32878	Seq. ID	OJ991028_16.0225.C2
Gene No.	68229	Strand	-
Start	1349	End	1528
Name	OJ991028_16.0225.C2.o1.tm	Method	TBLASTX:Maize
Start	120	End	473
GI	none	Score	352
Exons	120..401, 125..403, 125..403, 395..469, 396..473		
Seq. No.	32878	Seq. ID	OJ991028_16.0225.C2
Gene No.	68229	Strand	-
Start	1349	End	1528
Name	OJ991028_16.0225.C2.o2.gs	Method	GENSCAN
Start	1349	End	1528
GI	none	Score	.94
Exons	1349..1461, 1519..1528		
Seq. No.	32879	Seq. ID	OJ991028_16.0225.C3
Gene No.	68230	Strand	+
Start	1	End	135
Name	OJ991028_16.0225.C3.o1.gp	Method	AAT/GAP
Start	1	End	135
GI	none	Score	270
Exons	1..135		
Seq. No.	32879	Seq. ID	OJ991028_16.0225.C3
Gene No.	68231	Strand	-
Start	174	End	2874
Name	OJ991028_16.0225.C3.o2.gp	Method	AAT/GAP
Start	174	End	1487
GI	uC-osf1cyp028h11b1	Score	852
Exons	174..321, 425..494, 580..769, 1369..1487		
GI Descrip.	'1620896/dbj|BAA13507| 4.0e-45 (D87956) protein involved in sexual development [Schizosaccharomyces pombe] >gi_2408048_emb_CAB16251_ (Z99164) hypothetical protein [Schizosaccharomyces pombe]'		
Seq. No.	32879	Seq. ID	OJ991028_16.0225.C3
Gene No.	68231	Strand	-
Start	174	End	2874
Name	OJ991028_16.0225.C3.o1.tm	Method	TBLASTX:Maize
Start	182	End	2106
GI	none	Score	108
Exons	182..208, 224..322, 226..321, 226..324, 272..322, 423..497, 423..494, 425..496, 558..707, 565..708, 566..676, 576..707, 687..770, 710..769, 1366..1467, 1367..1465, 2052..2105, 2053..2106		
Seq. No.	32879	Seq. ID	OJ991028_16.0225.C3
Gene No.	68231	Strand	-
Start	174	End	2874
Name	OJ991028_16.0225.C3.o1.tc	Method	TBLASTX:Cress
Start	223	End	1453
GI	none	Score	44
Exons	223..324, 275..322, 425..496, 429..497, 576..707, 580..708, 687..770, 710..769, 1366..1452, 1367..1453		

Seq. No.	32879	Seq. ID	OJ991028_16.0225.C3
Gene No.	68231	Strand	-
Start	174	End	2874
Name	OJ991028_16.0225.C3.o1.np	Method	AAT/NAP
Start	226	End	2874
GI	4885579	Score	577
Exons	226..321, 425..494, 580..769, 1369..1464, 2055..2161, 2576..2618, 2790..2874		
GI Descrip.	rcd1 (required for cell differentiation, S.pombe) homolog 1 gi|1620898|dbj|BAA13508| (D87957) protein involved in sexual development [Homo sapiens]		

Seq. No.	32879	Seq. ID	OJ991028_16.0225.C3
Gene No.	68231	Strand	-
Start	174	End	2874
Name	OJ991028_16.0225.C3.o1.ts	Method	TBLASTX:Soybean
Start	274	End	2874
GI	none	Score	141
Exons	274..324, 425..496, 565..708, 576..707, 687..770, 710..769, 1366..1467, 1367..1465, 1371..1469, 2052..2162, 2053..2163, 2571..2621, 2790..2873, 2791..2874		

Seq. No.	32879	Seq. ID	OJ991028_16.0225.C3
Gene No.	68231	Strand	-
Start	174	End	2874
Name	OJ991028_16.0225.C3.o1.gs	Method	GENSCAN
Start	683	End	2161
GI	none	Score	.73
Exons	683..769, 2055..2161		

Seq. No.	32880	Seq. ID	OJ991028_16.0225.C4
Gene No.	68232	Strand	+
Start	1335	End	7964
Name	OJ991028_16.0225.C4.o1.gp	Method	AAT/GAP
Start	1223	End	3264
GI	727_1.R1084	Score	1418
Exons	1223..1346, 1973..2013, 2098..2198, 2501..2645, 2731..2820, 2966..3264		
GI Descrip.	'133867/sp|P25460|RS11_MAIZE 9.0e-71 40S RIBOSOMAL PROTEIN S11 >gi_82722_pir__S16577 ribosomal protein S11 - maize >gi_22470_emb_CAA39438_ (X55967) ribosomal protein S11 [Zea mays].'		

Seq. No.	32880	Seq. ID	OJ991028_16.0225.C4
Gene No.	68232	Strand	+
Start	1335	End	7964
Name	OJ991028_16.0225.C4.o2.gs	Method	GENSCAN
Start	1335	End	7964
GI	none	Score	.62
Exons	1335..1346, 1973..2013, 2098..2198, 2501..2649, 2708..2820, 2966..3002, 3948..4058, 4567..4607, 4695..4795, 5128..5276, 5569..5688, 6194..6373, 7425..7460, 7576..7710, 7881..7964		

Seq. No.	32880	Seq. ID	OJ991028_16.0225.C4
Gene No.	68232	Strand	+
Start	1335	End	7964

Name	OJ991028_16.0225.C4.o1.np	Method	AAT/NAP
Start	1961	End	3059
GI	133867	Score	659
Exons	1961..2013, 2098..2198, 2501..2645, 2731..2820, 2966..3059		
GI Descrip.	40S RIBOSOMAL PROTEIN S11 gi|82722|pir||S16577 ribosomal protein S11 - maize gi|22470|emb|CAA39438| (X55967) ribosomal protein S11 [Zea mays]		

Seq. No.	32880	Seq. ID	OJ991028_16.0225.C4
Gene No.	68232	Strand	+
Start	1335	End	7964
Name	OJ991028_16.0225.C4.o2.gp	Method	AAT/GAP
Start	3940	End	5387
GI	727_2.R1084	Score	755
Exons	3940..4058, 4567..4607, 4695..4795, 5128..5272, 5334..5387		
GI Descrip.	'133867/sp|P25460|RS11_MAIZE 5.0e-48 40S RIBOSOMAL PROTEIN S11 >gi_82722_pir__S16577 ribosomal protein S11 - maize >gi_22470_emb_CAA39438_ (X55967) ribosomal protein S11 [Zea mays]'		

Seq. No.	32880	Seq. ID	OJ991028_16.0225.C4
Gene No.	68232	Strand	+
Start	1335	End	7964
Name	OJ991028_16.0225.C4.o2.np	Method	AAT/NAP
Start	4555	End	5662
GI	133867	Score	658
Exons	4555..4607, 4695..4795, 5128..5272, 5334..5423, 5569..5662		
GI Descrip.	40S RIBOSOMAL PROTEIN S11 gi|82722|pir||S16577 ribosomal protein S11 - maize gi|22470|emb|CAA39438| (X55967) ribosomal protein S11 [Zea mays]		

Seq. No.	32880	Seq. ID	OJ991028_16.0225.C4
Gene No.	68232	Strand	+
Start	1335	End	7964
Name	OJ991028_16.0225.C4.o3.gp	Method	AAT/GAP
Start	5123	End	5867
GI	727_1.R1084	Score	956
Exons	5123..5272, 5334..5423, 5569..5867		
GI Descrip.	'133867/sp|P25460|RS11_MAIZE 9.0e-71 40S RIBOSOMAL PROTEIN S11 >gi_82722_pir__S16577 ribosomal protein S11 - maize >gi_22470_emb_CAA39438_ (X55967) ribosomal protein S11 [Zea mays]'		

Seq. No.	32880	Seq. ID	OJ991028_16.0225.C4
Gene No.	68233	Strand	-
Start	440	End	643
Name	OJ991028_16.0225.C4.o1.gs	Method	GENSCAN
Start	440	End	643
GI	none	Score	.66
Exons	440..643		

Seq. No.	32880	Seq. ID	OJ991028_16.0225.C4
Gene No.	68234	Strand	
Start	1966	End	5749
Name	OJ991028_16.0225.C4.o1.tc	Method	TBLASTX:Cress
Start	1966	End	5619
GI	none	Score	70

Exons	1966..2013, 1970..2011, 2095..2196, 2141..2200, 2143..2199, 2499..2654, 2500..2661, 2506..2661, 2729..2821, 2731..2820, 2732..2821, 2733..2825, 2963..3016, 2964..3011, 4560..4607, 4564..4605, 4685..4792, 4691..4792, 4692..4793, 4738..4797, 4740..4796, 5123..5284, 5127..5273, 5332..5424, 5334..5423, 5336..5428, 5566..5619, 5567..5614		

Seq. No.	32880	Seq. ID	OJ991028_16.0225.C4
Gene No.	68234	Strand	
Start	1966	End	5749
Name	OJ991028_16.0225.C4.o1.ts	Method	TBLASTX:Soybean
Start	1966	End	5679
GI	none	Score	70
Exons	1966..2013, 1970..2011, 2097..2198, 2100..2201, 2101..2199, 2141..2203, 2143..2202, 2499..2645, 2499..2654, 2500..2661, 2507..2698, 2728..2820, 2729..2821, 2729..2821, 2730..2822, 2963..3028, 2964..3011, 3029..3076, 4560..4607, 4564..4605, 4697..4798, 4698..4796, 4738..4800, 4740..4799, 5121..5273, 5123..5284, 5195..5284, 5321..5422, 5331..5423, 5331..5423, 5332..5424, 5566..5631, 5567..5614, 5632..5679		

Seq. No.	32880	Seq. ID	OJ991028_16.0225.C4
Gene No.	68234	Strand	
Start	1966	End	5749
Name	OJ991028_16.0225.C4.o1.tm	Method	TBLASTX:Maize
Start	1966	End	5749
GI	none	Score	70
Exons	1966..2013, 1970..2011, 1971..2015, 1972..2016, 2088..2198, 2088..2198, 2098..2199, 2141..2203, 2143..2202, 2499..2645, 2499..2654, 2500..2661, 2728..2820, 2729..2821, 2729..2821, 2963..3019, 2964..3011, 3126..3146, 4560..4607, 4564..4605, 4685..4795, 4695..4796, 4738..4800, 4740..4799, 5121..5273, 5122..5211, 5123..5284, 5125..5274, 5331..5423, 5332..5424, 5333..5434, 5566..5622, 5567..5614, 5729..5749		

Seq. No.	32881	Seq. ID	OJ991028_16.0225.C7
Gene No.	68235	Strand	+
Start	120	End	1276
Name	OJ991028_16.0225.C7.o1.gs	Method	GENSCAN
Start	120	End	1276
GI	none	Score	.74
Exons	120..270, 392..499, 1105..1276		

Seq. No.	32881	Seq. ID	OJ991028_16.0225.C7
Gene No.	68236	Strand	-
Start	2091	End	2315
Name	OJ991028_16.0225.C7.o2.gs	Method	GENSCAN
Start	2091	End	2315
GI	none	Score	.96
Exons	2091..2315		

Seq. No.	32882	Seq. ID	OJ991028_16.0225.C8
Gene No.	68237	Strand	+
Start	1	End	1285
Name	OJ991028_16.0225.C8.o1.np	Method	AAT/NAP
Start	1	End	1285
GI	4262167	Score	416

Exons	1..127, 220..291, 394..459, 548..619, 696..767, 865..936, 1217..1285		
GI Descrip.	(AC005275) putative LRR receptor-linked protein kinase [Arabidopsis thaliana]		
Seq. No.	32882	Seq. ID	OJ991028_16.0225.C8
Gene No.	68238	Strand	-
Start	840	End	1296
Name	OJ991028_16.0225.C8.o1.tm	Method	TBLASTX:Maize
Start	250	End	1296
GI	none	Score	52
Exons	250..291, 252..290, 394..453, 548..613, 549..617, 550..630, 859..936, 860..937, 865..948, 1217..1285, 1218..1283, 1225..1296	395..463, 396..455, 548..625, 683..766, 696..767, 697..768, 1020..1091, 1020..1088,	
Seq. No.	32882	Seq. ID	OJ991028_16.0225.C8
Gene No.	68238	Strand	-
Start	840	End	1296
Name	OJ991028_16.0225.C8.o1.gs	Method	GENSCAN
Start	840	End	934
GI	none	Score	.4
Exons	840..934		
Seq. No.	32883	Seq. ID	OJ991028_16.0225.C9
Gene No.	68239	Strand	+
Start	154	End	3064
Name	OJ991028_16.0225.C9.o1.gs	Method	GENSCAN
Start	154	End	3064
GI	none	Score	.62
Exons	154..383, 1151..1259, 2302..2374, 2957..3064		
Seq. No.	32883	Seq. ID	OJ991028_16.0225.C9
Gene No.	68240	Strand	+
Start	3744	End	5210
Name	OJ991028_16.0225.C9.o1.gp	Method	AAT/GAP
Start	3744	End	4336
GI	none	Score	1137
Exons	3744..4336		
Seq. No.	32883	Seq. ID	OJ991028_16.0225.C9
Gene No.	68240	Strand	+
Start	3744	End	5210
Name	OJ991028_16.0225.C9.o1.np	Method	AAT/NAP
Start	3834	End	5210
GI	2501491	Score	586
Exons	3834..5210		
GI Descrip.	FLAVONOL 3-O-GLUCOSYLTRANSFERASE 1 (UDP-GLUCOSE FLAVONOID 3-O-GLUCOSYLTRANSFERASE 1) gi|542014|pir||S41950 UTP-glucose glucosyltransferase - cassava gi|453246|emb|CAA54609| (X77459) UTP-glucose glucosyltransferase [Manihot esculenta]		
Seq. No.	32883	Seq. ID	OJ991028_16.0225.C9
Gene No.	68241	Strand	-
Start	8003	End	8599
Name	OJ991028_16.0225.C9.o2.tm	Method	TBLASTX:Maize
Start	3776	End	4192

GI	none	Score	420
Exons	3776..4192, 3795..4190		

Seq. No.	32883	Seq. ID	OJ991028_16.0225.C9
Gene No.	68241	Strand	-
Start	8003	End	8599
Name	OJ991028_16.0225.C9.o1.ts	Method	TBLASTX:Soybean
Start	3798	End	4996
GI	none	Score	65
Exons	3798..3959, 4122..4520, 4382..4447, 4523..4696, 4539..4703, 4743..4988, 4787..4996		

Seq. No.	32883	Seq. ID	OJ991028_16.0225.C9
Gene No.	68241	Strand	-
Start	8003	End	8599
Name	OJ991028_16.0225.C9.o4.tm	Method	TBLASTX:Maize
Start	4194	End	4703
GI	none	Score	144
Exons	4194..4340, 4194..4310, 4317..4481, 4361..4477, 4553..4702, 4557..4703		

Seq. No.	32883	Seq. ID	OJ991028_16.0225.C9
Gene No.	68241	Strand	-
Start	8003	End	8599
Name	OJ991028_16.0225.C9.o1.tc	Method	TBLASTX:Cress
Start	4371	End	4997
GI	none	Score	55
Exons	4371..4448, 4491..4550, 4556..4669, 4557..4703, 4758..4802, 4812..4997, 4844..4993		

Seq. No.	32883	Seq. ID	OJ991028_16.0225.C9
Gene No.	68241	Strand	-
Start	8003	End	8599
Name	OJ991028_16.0225.C9.o1.tw	Method	TBLASTX:Wheat
Start	4649	End	4994
GI	none	Score	64
Exons	4649..4696, 4650..4703, 4761..4994, 4761..4925, 4787..4993		

Seq. No.	32883	Seq. ID	OJ991028_16.0225.C9
Gene No.	68241	Strand	-
Start	8003	End	8599
Name	OJ991028_16.0225.C9.o1.tm	Method	TBLASTX:Maize
Start	4755	End	5204
GI	none	Score	339
Exons	4755..4997, 4787..4996, 5073..5204, 5148..5192		

Seq. No.	32883	Seq. ID	OJ991028_16.0225.C9
Gene No.	68241	Strand	-
Start	8003	End	8599
Name	OJ991028_16.0225.C9.o3.gs	Method	GENSCAN
Start	8003	End	8599
GI	none	Score	.45
Exons	8003..8599		

Seq. No.	32883	Seq. ID	OJ991028_16.0225.C9
Gene No.	68241	Strand	-
Start	8003	End	8599

Name	OJ991028_16.0225.C9.o3.tm	Method	TBLASTX:Maize
Start	8098	End	8397
GI	none	Score	73
Exons	8098..8244, 8146..8397, 8147..8368		

Seq. No.	32883	Seq. ID	OJ991028_16.0225.C9
Gene No.	68241	Strand	-
Start	8003	End	8599
Name	OJ991028_16.0225.C9.o2.ts	Method	TBLASTX:Soybean
Start	8158	End	8379
GI	none	Score	44
Exons	8158..8214, 8180..8212, 8233..8379, 8237..8368		

Seq. No.	32883	Seq. ID	OJ991028_16.0225.C9
Gene No.	68241	Strand	-
Start	8003	End	8599
Name	OJ991028_16.0225.C9.o2.tc	Method	TBLASTX:Cress
Start	8164	End	8373
GI	none	Score	130
Exons	8164..8223, 8239..8373, 8240..8368		

Seq. No.	32884	Seq. ID	OJ991028_16.0225.C10
Gene No.	68242	Strand	-
Start	480	End	1135
Name	OJ991028_16.0225.C10.o1.gs	Method	GENSCAN
Start	480	End	1135
GI	none	Score	.62
Exons	480..678, 1074..1135		

Seq. No.	32884	Seq. ID	OJ991028_16.0225.C10
Gene No.	68243	Strand	-
Start	2666	End	3373
Name	OJ991028_16.0225.C10.o2.gs	Method	GENSCAN
Start	2666	End	3373
GI	none	Score	.63
Exons	2666..2805, 2859..3066, 3235..3373		

Seq. No.	32885	Seq. ID	OJ991028_16.0225.C11
Gene No.	68244	Strand	+
Start	749	End	5106
Name	OJ991028_16.0225.C11.o1.gs	Method	GENSCAN
Start	749	End	5106
GI	none	Score	.57
Exons	749..829, 1082..1189, 1209..1367, 2083..2168, 2570..2945, 4295..4369, 4627..5106		

Seq. No.	32885	Seq. ID	OJ991028_16.0225.C11
Gene No.	68244	Strand	+
Start	749	End	5106
Name	OJ991028_16.0225.C11.o2.np	Method	AAT/NAP
Start	2580	End	3017
GI	1397275	Score	81
Exons	2580..3017		
GI Descrip.	(U61947) C06G3.8 gene product [Caenorhabditis elegans]		

Seq. No.	32885	Seq. ID	OJ991028_16.0225.C11
Gene No.	68244	Strand	+

Start	749	End	5106
Name	OJ991028_16.0225.C11.o3.np	Method	AAT/NAP
Start	4657	End	5094
GI	1397275	Score	81
Exons	4657..5094		
GI Descrip.	(U61947) C06G3.8 gene product [Caenorhabditis elegans]		

Seq. No.	32885	Seq. ID	OJ991028_16.0225.C11
Gene No.	68245	Strand	-
Start	1136	End	1217
Name	OJ991028_16.0225.C11.o1.np	Method	AAT/NAP
Start	1136	End	1217
GI	3420052	Score	80
Exons	1136..1217		
GI Descrip.	(AC004680) putative NADH dehydrogenase (ubiquinone oxidoreductase) [Arabidopsis thaliana]		

Seq. No.	32885	Seq. ID	OJ991028_16.0225.C11
Gene No.	68246	Strand	
Start	2781	End	5097
Name	OJ991028_16.0225.C11.o1.ts	Method	TBLASTX:Soybean
Start	2781	End	5097
GI	none	Score	76
Exons	2781..2855, 2835..3020, 4858..4932, 4912..5097		

Seq. No.	32886	Seq. ID	OJ991028_16.0225.C12
Gene No.	68247	Strand	+
Start	2117	End	8111
Name	OJ991028_16.0225.C12.o1.np	Method	AAT/NAP
Start	2117	End	4524
GI	3420052	Score	1603
Exons	2117..2288, 2969..3484, 3587..3813, 3913..4524		
GI Descrip.	(AC004680) putative NADH dehydrogenase (ubiquinone oxidoreductase) [Arabidopsis thaliana]		

Seq. No.	32886	Seq. ID	OJ991028_16.0225.C12
Gene No.	68247	Strand	+
Start	2117	End	8111
Name	OJ991028_16.0225.C12.o2.gs	Method	GENSCAN
Start	2641	End	8111
GI	none	Score	.74
Exons	2641..3484, 3587..3813, 3913..4446, 5537..5672, 5757..5801, 6626..6703, 6863..7310, 7451..8111		

Seq. No.	32886	Seq. ID	OJ991028_16.0225.C12
Gene No.	68248	Strand	-
Start	9221	End	10677
Name	OJ991028_16.0225.C12.o3.tm	Method	TBLASTX:Maize
Start	2977	End	3195
GI	none	Score	313
Exons	2977..3195, 2985..3194		

Seq. No.	32886	Seq. ID	OJ991028_16.0225.C12
Gene No.	68248	Strand	-
Start	9221	End	10677
Name	OJ991028_16.0225.C12.o3.ts	Method	TBLASTX:Soybean
Start	2982	End	3168

GI	none	Score	266
Exons	2982..3161, 2983..3168		

Seq. No.	32886	Seq. ID	OJ991028_16.0225.C12
Gene No.	68248	Strand	-
Start	9221	End	10677
Name	OJ991028_16.0225.C12.o3.tc	Method	TBLASTX:Cress
Start	3004	End	3486
GI	none	Score	165
Exons	3004..3192, 3015..3056, 3093..3179, 3235..3294, 3322..3486		

Seq. No.	32886	Seq. ID	OJ991028_16.0225.C12
Gene No.	68248	Strand	-
Start	9221	End	10677
Name	OJ991028_16.0225.C12.o1.tw	Method	TBLASTX:Wheat
Start	3096	End	3273
GI	none	Score	108
Exons	3096..3194, 3096..3272, 3097..3273		

Seq. No.	32886	Seq. ID	OJ991028_16.0225.C12
Gene No.	68248	Strand	-
Start	9221	End	10677
Name	OJ991028_16.0225.C12.o1.ts	Method	TBLASTX:Soybean
Start	3348	End	4047
GI	none	Score	166
Exons	3348..3491, 3349..3486, 3585..3683, 3586..3813, 3735..3797, 3916..4047, 3963..4034		

Seq. No.	32886	Seq. ID	OJ991028_16.0225.C12
Gene No.	68248	Strand	-
Start	9221	End	10677
Name	OJ991028_16.0225.C12.o1.tc	Method	TBLASTX:Cress
Start	3585	End	4092
GI	none	Score	298
Exons	3585..3686, 3586..3813, 3735..3776, 3916..4092, 3969..4091		

Seq. No.	32886	Seq. ID	OJ991028_16.0225.C12
Gene No.	68248	Strand	-
Start	9221	End	10677
Name	OJ991028_16.0225.C12.o4.tm	Method	TBLASTX:Maize
Start	3960	End	4161
GI	none	Score	119
Exons	3960..4037, 3961..4035, 4038..4160, 4039..4161		

Seq. No.	32886	Seq. ID	OJ991028_16.0225.C12
Gene No.	68248	Strand	-
Start	9221	End	10677
Name	OJ991028_16.0225.C12.o4.ts	Method	TBLASTX:Soybean
Start	4048	End	4239
GI	none	Score	256
Exons	4048..4239, 4056..4238		

Seq. No.	32886	Seq. ID	OJ991028_16.0225.C12
Gene No.	68248	Strand	-
Start	9221	End	10677
Name	OJ991028_16.0225.C12.o5.tm	Method	TBLASTX:Maize
Start	4161	End	4425

GI	none	Score	148
Exons	4161..4220, 4162..4335, 4251..4334, 4338..4424, 4339..4425		

Seq. No.	32886	Seq. ID	OJ991028_16.0225.C12
Gene No.	68248	Strand	-
Start	9221	End	10677
Name	OJ991028_16.0225.C12.o2.tc	Method	TBLASTX:Cress
Start	4182	End	4536
GI	none	Score	172
Exons	4182..4220, 4189..4374, 4251..4376, 4372..4524, 4374..4523, 4384..4536		

Seq. No.	32886	Seq. ID	OJ991028_16.0225.C12
Gene No.	68248	Strand	-
Start	9221	End	10677
Name	OJ991028_16.0225.C12.o2.ts	Method	TBLASTX:Soybean
Start	4284	End	4524
GI	none	Score	352
Exons	4284..4523, 4285..4524		

Seq. No.	32886	Seq. ID	OJ991028_16.0225.C12
Gene No.	68248	Strand	-
Start	9221	End	10677
Name	OJ991028_16.0225.C12.o6.ts	Method	TBLASTX:Soybean
Start	6961	End	7383
GI	none	Score	238
Exons	6961..7383, 7098..7226		

Seq. No.	32886	Seq. ID	OJ991028_16.0225.C12
Gene No.	68248	Strand	-
Start	9221	End	10677
Name	OJ991028_16.0225.C12.o4.tc	Method	TBLASTX:Cress
Start	7021	End	7383
GI	none	Score	244
Exons	7021..7383, 7101..7328		

Seq. No.	32886	Seq. ID	OJ991028_16.0225.C12
Gene No.	68248	Strand	-
Start	9221	End	10677
Name	OJ991028_16.0225.C12.o2.tm	Method	TBLASTX:Maize
Start	7036	End	7422
GI	none	Score	327
Exons	7036..7422, 7101..7328		

Seq. No.	32886	Seq. ID	OJ991028_16.0225.C12
Gene No.	68248	Strand	-
Start	9221	End	10677
Name	OJ991028_16.0225.C12.o1.tm	Method	TBLASTX:Maize
Start	7752	End	8084
GI	none	Score	99
Exons	7752..7859, 7878..8084, 7898..8083		

Seq. No.	32886	Seq. ID	OJ991028_16.0225.C12
Gene No.	68248	Strand	-
Start	9221	End	10677
Name	OJ991028_16.0225.C12.o5.ts	Method	TBLASTX:Soybean
Start	7830	End	8086

GI	none	Score	241
Exons	7830..8084, 7901..8086		

Seq. No.	32886	Seq. ID	OJ991028_16.0225.C12
Gene No.	68248	Strand	-
Start	9221	End	10677
Name	OJ991028_16.0225.C12.o3.gs	Method	GENSCAN
Start	9221	End	10677
GI	none	Score	.53
Exons	9221..9325, 10118..10190, 10367..10677		

Seq. No.	32887	Seq. ID	OJ991028_16.0225.C13
Gene No.	68249	Strand	-
Start	56	End	1914
Name	OJ991028_16.0225.C13.o1.gs	Method	GENSCAN
Start	56	End	1903
GI	none	Score	.69
Exons	56..166, 323..371, 837..904, 995..1040, 1118..1211, 1781..1903		

Seq. No.	32887	Seq. ID	OJ991028_16.0225.C13
Gene No.	68249	Strand	-
Start	56	End	1914
Name	OJ991028_16.0225.C13.o1.np	Method	AAT/NAP
Start	98	End	1904
GI	4454464	Score	521
Exons	98..166, 323..371, 837..904, 995..1040, 1118..1211, 1301..1363, 1781..1904		
GI Descrip.	(AC006234) putative secretory carrier-associated membrane protein [Arabidopsis thaliana]		

Seq. No.	32887	Seq. ID	OJ991028_16.0225.C13
Gene No.	68249	Strand	-
Start	56	End	1914
Name	OJ991028_16.0225.C13.o1.tm	Method	TBLASTX:Maize
Start	101	End	1905
GI	none	Score	97
Exons	101..181, 102..167, 320..367, 320..379, 324..383, 836..925, 837..920, 995..1042, 999..1043, 1000..1089, 1117..1212, 1118..1213, 1236..1367, 1279..1365, 1300..1368, 1769..1882, 1773..1892, 1782..1883, 1876..1905, 1879..1905		

Seq. No.	32887	Seq. ID	OJ991028_16.0225.C13
Gene No.	68249	Strand	-
Start	56	End	1914
Name	OJ991028_16.0225.C13.o2.tc	Method	TBLASTX:Cress
Start	101	End	1367
GI	none	Score	45
Exons	101..166, 1004..1042, 1006..1038, 1117..1173, 1136..1171, 1168..1212, 1263..1367, 1279..1365		

Seq. No.	32887	Seq. ID	OJ991028_16.0225.C13
Gene No.	68249	Strand	-
Start	56	End	1914
Name	OJ991028_16.0225.C13.o1.ts	Method	TBLASTX:Soybean
Start	101	End	1912
GI	none	Score	82
Exons	101..166, 101..166, 105..167, 839..919, 843..890, 992..1042,		

993..1046, 1081..1209, 1115..1213, 1117..1212, 1263..1379, 1279..1365, 1770..1904, 1780..1905, 1786..1911, 1796..1912, 1802..1912

Seq. No.	32887	Seq. ID	OJ991028_16.0225.C13
Gene No.	68249	Strand	-
Start	56	End	1914
Name	OJ991028_16.0225.C13.o1.tw	Method	TBLASTX:Wheat
Start	1311	End	1906
GI	none	Score	134
Exons	1311..1367, 1758..1904, 1771..1905, 1786..1905, 1805..1906		

Seq. No.	32887	Seq. ID	OJ991028_16.0225.C13
Gene No.	68249	Strand	-
Start	56	End	1914
Name	OJ991028_16.0225.C13.o1.tc	Method	TBLASTX:Cress
Start	1776	End	1914
GI	none	Score	93
Exons	1776..1904, 1779..1901, 1780..1914		

Seq. No.	32888	Seq. ID	OJ991028_16.0225.C14
Gene No.	68250	Strand	-
Start	282	End	3106
Name	OJ991028_16.0225.C14.o1.np	Method	AAT/NAP
Start	282	End	1172
GI	2443878	Score	150
Exons	282..351, 472..579, 1116..1172		
GI Descrip.	(AC002294) Unknown protein [Arabidopsis thaliana]		

Seq. No.	32888	Seq. ID	OJ991028_16.0225.C14
Gene No.	68250	Strand	-
Start	282	End	3106
Name	OJ991028_16.0225.C14.o1.gs	Method	GENSCAN
Start	472	End	2964
GI	none	Score	.86
Exons	472..579, 708..770, 1116..1273, 2949..2964		

Seq. No.	32888	Seq. ID	OJ991028_16.0225.C14
Gene No.	68250	Strand	-
Start	282	End	3106
Name	OJ991028_16.0225.C14.o2.np	Method	AAT/NAP
Start	1993	End	3106
GI	5852084	Score	75
Exons	1993..2076, 3084..3106		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	32889	Seq. ID	OJ991028_16.0225.C15
Gene No.	68251	Strand	+
Start	78	End	327
Name	OJ991028_16.0225.C15.o1.gp	Method	AAT/GAP
Start	78	End	327
GI	27944_1.R1084	Score	481
Exons	78..327		
GI Descrip.	'2443880 4.0e-18 (AC002294) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	32889	Seq. ID	OJ991028_16.0225.C15

Gene No.	68251	Strand	+
Start	78	End	327
Name	OJ991028_16.0225.C15.o1.gs	Method	GENSCAN
Start	78	End	279
GI	none	Score	.8
Exons	78..279		

Seq. No.	32889	Seq. ID	OJ991028_16.0225.C15
Gene No.	68251	Strand	+
Start	78	End	327
Name	OJ991028_16.0225.C15.o1.tm	Method	TBLASTX:Maize
Start	82	End	324
GI	none	Score	259
Exons	82..324, 82..309, 98..310, 267..317		

Seq. No.	32890	Seq. ID	OJ991028_16.0225.C16
Gene No.	68252	Strand	+
Start	1	End	618
Name	OJ991028_16.0225.C16.o1.np	Method	AAT/NAP
Start	1	End	459
GI	5456754	Score	87
Exons	1..138, 234..305, 388..459		
GI Descrip.	(AF111162) guanine nucleotide exchange factor [Homo sapiens]		

Seq. No.	32890	Seq. ID	OJ991028_16.0225.C16
Gene No.	68252	Strand	+
Start	1	End	618
Name	OJ991028_16.0225.C16.o1.gs	Method	GENSCAN
Start	43	End	618
GI	none	Score	.87
Exons	43..138, 234..332, 412..618		

Seq. No.	32890	Seq. ID	OJ991028_16.0225.C16
Gene No.	68252	Strand	+
Start	1	End	618
Name	OJ991028_16.0225.C16.o1.tc	Method	TBLASTX:Cress
Start	98	End	617
GI	none	Score	40
Exons	98..142, 99..146, 100..159, 216..341, 233..343, 406..468, 411..488, 502..615, 504..617		

Seq. No.	32891	Seq. ID	OJ991028_16.0225.C17
Gene No.	68253	Strand	+
Start	49	End	466
Name	OJ991028_16.0225.C17.o1.ts	Method	TBLASTX:Soybean
Start	6	End	249
GI	none	Score	291
Exons	6..191, 8..247, 8..244, 22..249, 40..249		

Seq. No.	32891	Seq. ID	OJ991028_16.0225.C17
Gene No.	68253	Strand	+
Start	49	End	466
Name	OJ991028_16.0225.C17.o1.gs	Method	GENSCAN
Start	49	End	466
GI	none	Score	.95
Exons	49..466		

Seq. No.	32892	Seq. ID	OJ991028_16.0225.C19
Gene No.	68254	Strand	-
Start	423	End	472
Name	OJ991028_16.0225.C19.o1.gs	Method	GENSCAN
Start	423	End	472
GI	none	Score	.57
Exons	423..472		

Seq. No.	32892	Seq. ID	OJ991028_16.0225.C19
Gene No.	68255	Strand	-
Start	423	End	493
Name	OJ991028_16.0225.C19.o1.gp	Method	AAT/GAP
Start	423	End	493
GI	27944_1.R1084	Score	59
Exons	423..493		
GI Descrip.	'2443880 4.0e-18 (AC002294) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	32893	Seq. ID	OJ991028_16.0225.C20
Gene No.	68256	Strand	-
Start	1	End	1742
Name	OJ991028_16.0225.C20.o1.np	Method	AAT/NAP
Start	1	End	1742
GI	2961358	Score	565
Exons	1..92, 162..318, 425..564, 1192..1327, 1424..1742		
GI Descrip.	(AL022140) serine/threonine protein kinase like protein [Arabidopsis thaliana]		

Seq. No.	32893	Seq. ID	OJ991028_16.0225.C20
Gene No.	68256	Strand	-
Start	1	End	1742
Name	OJ991028_16.0225.C20.o1.tm	Method	TBLASTX:Maize
Start	3	End	1695
GI	none	Score	124
Exons	3..98, 4..93, 4..99, 6..98, 162..320, 163..321, 163..321, 164..331, 417..545, 425..547, 427..546, 1196..1324, 1199..1306, 1200..1328, 1225..1329, 1418..1693, 1423..1695, 1424..1693, 1428..1694		

Seq. No.	32893	Seq. ID	OJ991028_16.0225.C20
Gene No.	68256	Strand	-
Start	1	End	1742
Name	OJ991028_16.0225.C20.o1.tc	Method	TBLASTX:Cress
Start	31	End	514
GI	none	Score	57
Exons	31..90, 33..98, 162..308, 162..314, 178..321, 412..513, 425..514		

Seq. No.	32893	Seq. ID	OJ991028_16.0225.C20
Gene No.	68256	Strand	-
Start	1	End	1742
Name	OJ991028_16.0225.C20.o1.ts	Method	TBLASTX:Soybean
Start	33	End	1638
GI	none	Score	51
Exons	33..98, 34..90, 162..320, 178..333, 425..532, 427..534, 433..534, 1225..1326, 1423..1638		

Seq. No.	32893	Seq. ID	OJ991028_16.0225.C20

Gene No.	68256	Strand	-
Start	1	End	1742
Name	OJ991028_16.0225.C20.o1.gs	Method	GENSCAN
Start	36	End	1692
GI	none	Score	.8
Exons	36..92, 162..318, 425..564, 1192..1327, 1424..1692		

Seq. No.	32893	Seq. ID	OJ991028_16.0225.C20
Gene No.	68256	Strand	-
Start	1	End	1742
Name	OJ991028_16.0225.C20.o2.tc	Method	TBLASTX:Cress
Start	1220	End	1638
GI	none	Score	67
Exons	1220..1324, 1225..1329, 1423..1638, 1532..1594		

Seq. No.	32894	Seq. ID	OJ991028_16.0225.C21
Gene No.	68257	Strand	-
Start	75	End	3026
Name	OJ991028_16.0225.C21.o1.np	Method	AAT/NAP
Start	75	End	3026
GI	3645898	Score	603
Exons	75..222, 295..648, 717..1858, 2983..3026		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	32894	Seq. ID	OJ991028_16.0225.C21
Gene No.	68257	Strand	-
Start	75	End	3026
Name	OJ991028_16.0225.C21.o1.gs	Method	GENSCAN
Start	540	End	1879
GI	none	Score	.76
Exons	540..1279, 1312..1879		

Seq. No.	32894	Seq. ID	OJ991028_16.0225.C21
Gene No.	68257	Strand	-
Start	75	End	3026
Name	OJ991028_16.0225.C21.o1.tm	Method	TBLASTX:Maize
Start	1167	End	1573
GI	none	Score	205
Exons	1167..1238, 1241..1573		

Seq. No.	32895	Seq. ID	OJ991028_16.0225.C22
Gene No.	68258	Strand	+
Start	4024	End	4431
Name	OJ991028_16.0225.C22.o1.gp	Method	AAT/GAP
Start	4024	End	4431
GI	4714648	Score	695
Exons	4024..4431		

Seq. No.	32895	Seq. ID	OJ991028_16.0225.C22
Gene No.	68259	Strand	-
Start	3888	End	4257
Name	OJ991028_16.0225.C22.o2.gs	Method	GENSCAN
Start	3888	End	4257
GI	none	Score	.93
Exons	3888..4034, 4150..4257		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68260	Strand	+
Start	1	End	4284
Name	OJ991028_16.0225.C23.o1.np	Method	AAT/NAP
Start	1	End	3936
GI	2809246	Score	808
Exons	1..239, 372..492, 578..801, 3325..3936		
GI Descrip.	(AC002560) F24O1.15 [Arabidopsis thaliana]		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68260	Strand	+
Start	1	End	4284
Name	OJ991028_16.0225.C23.o1.gs	Method	GENSCAN
Start	114	End	3777
GI	none	Score	.52
Exons	114..492, 536..801, 3250..3777		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68260	Strand	+
Start	1	End	4284
Name	OJ991028_16.0225.C23.o1.gp	Method	AAT/GAP
Start	3345	End	4284
GI	none	Score	1701
Exons	3345..4284		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68261	Strand	+
Start	16088	End	19391
Name	OJ991028_16.0225.C23.o3.gs	Method	GENSCAN
Start	16088	End	19391
GI	none	Score	.71
Exons	16088..16190, 16302..16442, 17092..17216, 17329..17475, 17505..17577, 17668..18017, 18045..18439, 18576..18721, 18832..19391		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68261	Strand	+
Start	16088	End	19391
Name	OJ991028_16.0225.C23.o3.np	Method	AAT/NAP
Start	17220	End	18440
GI	6721561	Score	1164
Exons	17220..17475, 17546..17604, 17678..18440		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68262	Strand	+
Start	26269	End	27990
Name	OJ991028_16.0225.C23.o6.np	Method	AAT/NAP
Start	26269	End	27990
GI	6721512	Score	120
Exons	26269..26374, 26402..26542, 27915..27990		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68263	Strand	-
Start	2821	End	13077
Name	OJ991028_16.0225.C23.o2.np	Method	AAT/NAP
Start	2821	End	6048
GI	5852093	Score	38
Exons	2821..2861, 4542..4668, 5989..6048		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68263	Strand	-
Start	2821	End	13077
Name	OJ991028_16.0225.C23.o2.gs	Method	GENSCAN
Start	4716	End	13077
GI	none	Score	.42
Exons	4716..4858, 5100..5329, 5717..5849, 6124..6178, 9087..9828, 10758..10876, 12162..12349, 12975..13077		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68264	Strand	-
Start	19964	End	27604
Name	OJ991028_16.0225.C23.o4.gs	Method	GENSCAN
Start	19964	End	26327
GI	none	Score	.53
Exons	19964..20312, 20358..20462, 20652..22064, 22262..22369, 22469..23061, 23149..24519, 24621..26327		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68264	Strand	-
Start	19964	End	27604
Name	OJ991028_16.0225.C23.o4.np	Method	AAT/NAP
Start	19967	End	23052
GI	5902445	Score	2995
Exons	19967..21221, 21261..23052		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68264	Strand	-
Start	19964	End	27604
Name	OJ991028_16.0225.C23.o5.np	Method	AAT/NAP
Start	23119	End	27604
GI	5902444	Score	972
Exons	23119..24771, 25108..25384, 27529..27604		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68265	Strand	-
Start	27846	End	30161
Name	OJ991028_16.0225.C23.o7.tw	Method	TBLASTX:Wheat
Start	2	End	502
GI	none	Score	162
Exons	2..100, 3..104, 93..191, 94..192, 322..426, 337..372, 362..502, 372..494		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68265	Strand	-
Start	27846	End	30161

Name	OJ991028_16.0225.C23.o1.ts	Method	TBLASTX:Soybean
Start	161	End	3512
GI	none	Score	117
Exons	161..226, 162..236, 371..430, 372..431, 447..491, 447..485, 579..803, 580..804, 3324..3512, 3325..3507, 3329..3511		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68265	Strand	-
Start	27846	End	30161
Name	OJ991028_16.0225.C23.o1.tc	Method	TBLASTX:Cress
Start	162	End	780
GI	none	Score	93
Exons	162..236, 342..434, 359..430, 447..494, 449..502, 571..780, 579..779		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68265	Strand	-
Start	27846	End	30161
Name	OJ991028_16.0225.C23.o4.tw	Method	TBLASTX:Wheat
Start	194	End	23754
GI	none	Score	56
Exons	194..268, 18128..18151, 18163..18249, 23299..23535, 23417..23533, 23572..23754, 23573..23746		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68265	Strand	-
Start	27846	End	30161
Name	OJ991028_16.0225.C23.o2.tm	Method	TBLASTX:Maize
Start	462	End	3543
GI	none	Score	39
Exons	462..494, 571..804, 591..803, 3323..3535, 3324..3539, 3324..3539, 3325..3543		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68265	Strand	-
Start	27846	End	30161
Name	OJ991028_16.0225.C23.o5.tm	Method	TBLASTX:Maize
Start	3543	End	3795
GI	none	Score	155
Exons	3543..3665, 3544..3657, 3682..3795, 3684..3782		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68265	Strand	-
Start	27846	End	30161
Name	OJ991028_16.0225.C23.o3.tw	Method	TBLASTX:Wheat
Start	19976	End	20585
GI	none	Score	66
Exons	19976..20107, 19977..20102, 20132..20584, 20331..20435, 20394..20585, 20481..20579		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68265	Strand	-
Start	27846	End	30161
Name	OJ991028_16.0225.C23.o6.tm	Method	TBLASTX:Maize
Start	20012	End	20278
GI	none	Score	49
Exons	20012..20095, 20046..20102, 20090..20209, 20096..20278		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68265	Strand	-
Start	27846	End	30161
Name	OJ991028_16.0225.C23.o5.tw	Method	TBLASTX:Wheat
Start	20606	End	20960
GI	none	Score	206
Exons	20606..20959, 20619..20960		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68265	Strand	-
Start	27846	End	30161
Name	OJ991028_16.0225.C23.o4.tm	Method	TBLASTX:Maize
Start	20786	End	21056
GI	none	Score	160
Exons	20786..21034, 20787..21056		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68265	Strand	-
Start	27846	End	30161
Name	OJ991028_16.0225.C23.o9.tw	Method	TBLASTX:Wheat
Start	21263	End	21520
GI	none	Score	89
Exons	21263..21520, 21267..21500		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68265	Strand	-
Start	27846	End	30161
Name	OJ991028_16.0225.C23.o6.tw	Method	TBLASTX:Wheat
Start	21560	End	21968
GI	none	Score	49
Exons	21560..21733, 21612..21695, 21741..21968, 21743..21967		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68265	Strand	-
Start	27846	End	30161
Name	OJ991028_16.0225.C23.o2.ts	Method	TBLASTX:Soybean
Start	22117	End	22482
GI	none	Score	99
Exons	22117..22482, 22298..22456		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68265	Strand	-
Start	27846	End	30161
Name	OJ991028_16.0225.C23.o2.tw	Method	TBLASTX:Wheat
Start	22117	End	22536
GI	none	Score	284
Exons	22117..22536, 22118..22489		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68265	Strand	-
Start	27846	End	30161
Name	OJ991028_16.0225.C23.o3.tm	Method	TBLASTX:Maize
Start	22210	End	22593
GI	none	Score	134
Exons	22210..22593, 22211..22489		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68265	Strand	-
Start	27846	End	30161
Name	OJ991028_16.0225.C23.o1.tm	Method	TBLASTX:Maize
Start	22621	End	22977
GI	none	Score	218
Exons	22621..22977, 22622..22915		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68265	Strand	-
Start	27846	End	30161
Name	OJ991028_16.0225.C23.o1.tw	Method	TBLASTX:Wheat
Start	22651	End	23107
GI	none	Score	392
Exons	22651..23106, 22652..23107		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68265	Strand	-
Start	27846	End	30161
Name	OJ991028_16.0225.C23.o3.ts	Method	TBLASTX:Soybean
Start	22702	End	23067
GI	none	Score	110
Exons	22702..22836, 22843..23067		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68265	Strand	-
Start	27846	End	30161
Name	OJ991028_16.0225.C23.o8.tw	Method	TBLASTX:Wheat
Start	24334	End	24731
GI	none	Score	124
Exons	24334..24558, 24555..24731		

Seq. No.	32896	Seq. ID	OJ991028_16.0225.C23
Gene No.	68265	Strand	-
Start	27846	End	30161
Name	OJ991028_16.0225.C23.o5.gs	Method	GENSCAN
Start	27846	End	30161
GI	none	Score	.74
Exons	27846..28063, 28132..28257, 30122..30161		

Seq. No.	32897	Seq. ID	OJ991028_16.0225.C24
Gene No.	68266	Strand	+
Start	3501	End	3879
Name	OJ991028_16.0225.C24.o1.gp	Method	AAT/GAP
Start	3403	End	3879
GI	none	Score	850
Exons	3403..3879		

Seq. No.	32897	Seq. ID	OJ991028_16.0225.C24
Gene No.	68266	Strand	+
Start	3501	End	3879
Name	OJ991028_16.0225.C24.o3.gs	Method	GENSCAN
Start	3501	End	3854
GI	none	Score	.96
Exons	3501..3854		

Seq. No.	32897	Seq. ID	OJ991028_16.0225.C24

Gene No.	68267	Strand	+
Start	5745	End	6268
Name	OJ991028_16.0225.C24.o1.tm	Method	TBLASTX:Maize
Start	3591	End	3866
GI	none	Score	355
Exons	3591..3866, 3611..3856		

Seq. No.	32897	Seq. ID	OJ991028_16.0225.C24
Gene No.	68267	Strand	+
Start	5745	End	6268
Name	OJ991028_16.0225.C24.o1.tw	Method	TBLASTX:Wheat
Start	3623	End	3806
GI	none	Score	262
Exons	3623..3805, 3624..3806, 3672..3806		

Seq. No.	32897	Seq. ID	OJ991028_16.0225.C24
Gene No.	68267	Strand	+
Start	5745	End	6268
Name	OJ991028_16.0225.C24.o4.gs	Method	GENSCAN
Start	5745	End	6245
GI	none	Score	.93
Exons	5745..6245		

Seq. No.	32897	Seq. ID	OJ991028_16.0225.C24
Gene No.	68267	Strand	+
Start	5745	End	6268
Name	OJ991028_16.0225.C24.o1.np	Method	AAT/NAP
Start	5754	End	6268
GI	1931639	Score	492
Exons	5754..6268		
GI Descrip.	(U95973) lysophospholipase isolog [Arabidopsis thaliana]		

Seq. No.	32897	Seq. ID	OJ991028_16.0225.C24
Gene No.	68267	Strand	+
Start	5745	End	6268
Name	OJ991028_16.0225.C24.o2.tm	Method	TBLASTX:Maize
Start	5756	End	5990
GI	none	Score	141
Exons	5756..5887, 5772..5870, 5786..5884, 5870..5989, 5871..5990		

Seq. No.	32897	Seq. ID	OJ991028_16.0225.C24
Gene No.	68267	Strand	+
Start	5745	End	6268
Name	OJ991028_16.0225.C24.o1.tc	Method	TBLASTX:Cress
Start	5811	End	6257
GI	none	Score	58
Exons	5811..5879, 5912..6253, 5913..6257		

Seq. No.	32897	Seq. ID	OJ991028_16.0225.C24
Gene No.	68267	Strand	+
Start	5745	End	6268
Name	OJ991028_16.0225.C24.o1.ts	Method	TBLASTX:Soybean
Start	5811	End	6265
GI	none	Score	52
Exons	5811..5879, 5925..6257, 5927..6127, 6078..6251, 6152..6265		

Seq. No.	32897	Seq. ID	OJ991028_16.0225.C24

Gene No.	68267	Strand	+
Start	5745	End	6268
Name	OJ991028_16.0225.C24.o2.tw	Method	TBLASTX:Wheat
Start	5987	End	6266
GI	none	Score	175
Exons	5987..6208, 5988..6218, 6075..6224, 6183..6266, 6209..6265, 6219..6266		

Seq. No.	32897	Seq. ID	OJ991028_16.0225.C24
Gene No.	68267	Strand	+
Start	5745	End	6268
Name	OJ991028_16.0225.C24.o3.tm	Method	TBLASTX:Maize
Start	5997	End	6266
GI	none	Score	188
Exons	5997..6224, 5999..6187, 6218..6265, 6219..6266		

Seq. No.	32898	Seq. ID	OJ991028_16.0225.C25
Gene No.	68268	Strand	+
Start	1	End	281
Name	OJ991028_16.0225.C25.o1.np	Method	AAT/NAP
Start	1	End	266
GI	1931639	Score	291
Exons	1..266		
GI Descrip.	(U95973) lysophospholipase isolog [Arabidopsis thaliana]		

Seq. No.	32898	Seq. ID	OJ991028_16.0225.C25
Gene No.	68268	Strand	+
Start	1	End	281
Name	OJ991028_16.0225.C25.o1.gs	Method	GENSCAN
Start	65	End	281
GI	none	Score	1
Exons	65..281		

Seq. No.	32898	Seq. ID	OJ991028_16.0225.C25
Gene No.	68269	Strand	-
Start	519	End	5743
Name	OJ991028_16.0225.C25.o1.tm	Method	TBLASTX:Maize
Start	2	End	206
GI	none	Score	308
Exons	2..205, 3..206		

Seq. No.	32898	Seq. ID	OJ991028_16.0225.C25
Gene No.	68269	Strand	-
Start	519	End	5743
Name	OJ991028_16.0225.C25.o1.tc	Method	TBLASTX:Cress
Start	9	End	257
GI	none	Score	229
Exons	9..257, 29..214		

Seq. No.	32898	Seq. ID	OJ991028_16.0225.C25
Gene No.	68269	Strand	-
Start	519	End	5743
Name	OJ991028_16.0225.C25.o2.ts	Method	TBLASTX:Soybean
Start	30	End	275
GI	none	Score	232
Exons	30..275, 32..226		

Seq. No.	32898	Seq. ID	OJ991028_16.0225.C25
Gene No.	68269	Strand	-
Start	519	End	5743
Name	OJ991028_16.0225.C25.o2.gs	Method	GENSCAN
Start	519	End	5743
GI	none	Score	.41
Exons	519..720, 744..793, 1019..1141, 1359..1514, 1759..1812, 3690..3785, 3931..4020, 4109..4872, 5623..5743		

Seq. No.	32898	Seq. ID	OJ991028_16.0225.C25
Gene No.	68269	Strand	-
Start	519	End	5743
Name	OJ991028_16.0225.C25.o2.tc	Method	TBLASTX:Cress
Start	543	End	3743
GI	none	Score	91
Exons	543..641, 553..642, 741..794, 743..793, 1019..1147, 1020..1142, 1359..1463, 1366..1428, 1437..1502, 1441..1500, 1754..1810, 1756..1815, 1983..2102, 1983..2114, 2005..2103, 3311..3364, 3312..3365, 3449..3574, 3465..3572, 3690..3743		

Seq. No.	32898	Seq. ID	OJ991028_16.0225.C25
Gene No.	68269	Strand	-
Start	519	End	5743
Name	OJ991028_16.0225.C25.o3.tm	Method	TBLASTX:Maize
Start	568	End	1497
GI	none	Score	98
Exons	568..642, 570..641, 741..794, 743..793, 1019..1147, 1020..1142, 1020..1148, 1357..1497, 1359..1496		

Seq. No.	32898	Seq. ID	OJ991028_16.0225.C25
Gene No.	68269	Strand	-
Start	519	End	5743
Name	OJ991028_16.0225.C25.o1.gp	Method	AAT/GAP
Start	1077	End	1534
GI	2797361	Score	364
Exons	1077..1141, 1359..1534		

Seq. No.	32898	Seq. ID	OJ991028_16.0225.C25
Gene No.	68269	Strand	-
Start	519	End	5743
Name	OJ991028_16.0225.C25.o2.tm	Method	TBLASTX:Maize
Start	1756	End	3731
GI	none	Score	98
Exons	1756..1815, 1757..1813, 1759..1824, 1981..2100, 1983..2114, 1986..2102, 3311..3364, 3311..3364, 3312..3365, 3423..3572, 3449..3574, 3464..3574, 3465..3578, 3520..3579, 3689..3727, 3690..3731		

Seq. No.	32898	Seq. ID	OJ991028_16.0225.C25
Gene No.	68269	Strand	-
Start	519	End	5743
Name	OJ991028_16.0225.C25.o1.ts	Method	TBLASTX:Soybean
Start	3928	End	4211
GI	none	Score	84
Exons	3928..4023, 3932..4012, 4092..4211, 4109..4210		

Seq. No.	32899	Seq. ID	OJ991028_16.0225.C26

Gene No.	68270	Strand	+
Start	54	End	1130
Name	OJ991028_16.0225.C26.o1.np	Method	AAT/NAP
Start	54	End	374
GI	2252628	Score	64
Exons	54..116, 249..374		
GI Descrip.	(U95973) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32899	Seq. ID	OJ991028_16.0225.C26
Gene No.	68270	Strand	+
Start	54	End	1130
Name	OJ991028_16.0225.C26.o1.gs	Method	GENSCAN
Start	191	End	1130
GI	none	Score	.79
Exons	191..565, 972..1130		

Seq. No.	32900	Seq. ID	OJ991118_19.0223.C1
Gene No.	68271	Strand	+
Start	1	End	761
Name	OJ991118_19.0223.C1.o1.np	Method	AAT/NAP
Start	1	End	761
GI	1076316	Score	112
Exons	1..26, 434..514, 653..761		
GI Descrip.	drought-induced protein Di19 - Arabidopsis thaliana gi|469110|emb|CAA55321| (X78584) Di19 [Arabidopsis thaliana]		

Seq. No.	32900	Seq. ID	OJ991118_19.0223.C1
Gene No.	68272	Strand	-
Start	433	End	761
Name	OJ991118_19.0223.C1.o1.gp	Method	AAT/GAP
Start	433	End	761
GI	8492_2.R1084	Score	310
Exons	433..511, 650..761		
GI Descrip.	'1076316/pir||S51478 5.0e-21 drought-induced protein Di19 - Arabidopsis thaliana >gi_469110_emb_CAA55321_ (X78584) Di19 [Arabidopsis thaliana]'		

Seq. No.	32901	Seq. ID	OJ991118_19.0223.C3
Gene No.	68273	Strand	+
Start	174	End	228
Name	OJ991118_19.0223.C3.o1.gs	Method	GENSCAN
Start	174	End	228
GI	none	Score	.72
Exons	174..228		

Seq. No.	32902	Seq. ID	OJ991118_19.0223.C5
Gene No.	68274	Strand	+
Start	1012	End	17798
Name	OJ991118_19.0223.C5.o1.gs	Method	GENSCAN
Start	1012	End	17798
GI	none	Score	.6
Exons	1012..1089, 3084..3104, 4003..4592, 6268..6364, 7633..7751, 7912..8038, 8429..8602, 9269..9418, 9608..9693, 10701..10850, 10936..11092, 11167..11700, 12447..12557, 12806..12952, 13018..13214, 13348..13435, 13623..13754, 14213..14278, 14538..14599, 14707..14822, 15017..15080, 16024..16169, 17617..17798		

Seq. No.	32902	Seq. ID	OJ991118_19.0223.C5
Gene No.	68274	Strand	+
Start	1012	End	17798
Name	OJ991118_19.0223.C5.o1.np	Method	AAT/NAP
Start	3607	End	14920
GI	6714447	Score	2665
Exons	3607..3643, 4331..4518, 6263..6364, 7633..7751, 7897..8038, 8174..8341, 8429..8602, 9251..9490, 9577..9693, 10499..10617, 10701..10850, 10936..11092, 11167..11437, 11618..11700, 12447..12557, 12806..12952, 13018..13214, 13334..13435, 13623..13754, 14213..14278, 14538..14599, 14674..14920		
GI Descrip.	(AC011620) putative phospholipase D [Arabidopsis thaliana]		

Seq. No.	32902	Seq. ID	OJ991118_19.0223.C5
Gene No.	68275	Strand	-
Start	18049	End	18974
Name	OJ991118_19.0223.C5.o2.ts	Method	TBLASTX:Soybean
Start	9284	End	9621
GI	none	Score	61
Exons	9284..9346, 9299..9337, 9328..9489, 9334..9489, 9347..9493, 9347..9493, 9523..9621, 9574..9606		

Seq. No.	32902	Seq. ID	OJ991118_19.0223.C5
Gene No.	68275	Strand	-
Start	18049	End	18974
Name	OJ991118_19.0223.C5.o2.tc	Method	TBLASTX:Cress
Start	10713	End	11073
GI	none	Score	202
Exons	10713..10859, 10714..10854, 10906..11070, 10907..11071, 10927..11073, 10941..11072		

Seq. No.	32902	Seq. ID	OJ991118_19.0223.C5
Gene No.	68275	Strand	-
Start	18049	End	18974
Name	OJ991118_19.0223.C5.o2.tm	Method	TBLASTX:Maize
Start	11164	End	11538
GI	none	Score	194
Exons	11164..11319, 11164..11322, 11166..11321, 11330..11407, 11342..11536, 11394..11537, 11395..11538		

Seq. No.	32902	Seq. ID	OJ991118_19.0223.C5
Gene No.	68275	Strand	-
Start	18049	End	18974
Name	OJ991118_19.0223.C5.o1.ts	Method	TBLASTX:Soybean
Start	12810	End	14926
GI	none	Score	74
Exons	12810..12884, 12811..12948, 12812..12952, 13012..13059, 13017..13055, 13058..13219, 13062..13229, 13325..13435, 13331..13438, 13623..13802, 13664..13753, 14210..14293, 14501..14599, 14541..14609, 14671..14853, 14672..14926, 14681..14923		

Seq. No.	32902	Seq. ID	OJ991118_19.0223.C5
Gene No.	68275	Strand	-
Start	18049	End	18974
Name	OJ991118_19.0223.C5.o1.tc	Method	TBLASTX:Cress

Start	12910	End	13438
GI	none	Score	60
Exons	12910..12948, 12911..12952, 13012..13059, 13017..13058, 13055..13219, 13059..13229, 13331..13438, 13331..13435		

Seq. No.	32902	Seq. ID	OJ991118_19.0223.C5
Gene No.	68275	Strand	-
Start	18049	End	18974
Name	OJ991118_19.0223.C5.o1.tm	Method	TBLASTX:Maize
Start	13176	End	14932
GI	none	Score	55
Exons	13176..13229, 13178..13219, 13330..13434, 13331..13438, 13339..13434, 13617..13757, 13622..13756, 13623..13802, 14210..14278, 14210..14278, 14212..14280, 14221..14283, 14540..14608, 14541..14621, 14672..14932, 14680..14928		

Seq. No.	32902	Seq. ID	OJ991118_19.0223.C5
Gene No.	68275	Strand	-
Start	18049	End	18974
Name	OJ991118_19.0223.C5.o2.gs	Method	GENSCAN
Start	18049	End	18974
GI	none	Score	.77
Exons	18049..18207, 18933..18974		

Seq. No.	32903	Seq. ID	OJ991118_19.0223.C6
Gene No.	68276	Strand	-
Start	5142	End	5549
Name	OJ991118_19.0223.C6.o2.gs	Method	GENSCAN
Start	5142	End	5549
GI	none	Score	.8
Exons	5142..5549		

Seq. No.	32904	Seq. ID	OJ991118_19.0223.C7
Gene No.	68277	Strand	+
Start	8231	End	10376
Name	OJ991118_19.0223.C7.o2.np	Method	AAT/NAP
Start	8231	End	10376
GI	6630682	Score	215
Exons	8231..8294, 8755..8964, 10301..10376		
GI Descrip.	(AP000969) EST D22716(C1010) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815074|dbj|BAA90361.1| (AP001080) EST D22716(C1010) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32904	Seq. ID	OJ991118_19.0223.C7
Gene No.	68278	Strand	-
Start	2009	End	2063
Name	OJ991118_19.0223.C7.o1.gp	Method	AAT/GAP
Start	2009	End	2063
GI	2311279	Score	67
Exons	2009..2063		

Seq. No.	32904	Seq. ID	OJ991118_19.0223.C7
Gene No.	68279	Strand	-
Start	9792	End	10732
Name	OJ991118_19.0223.C7.o1.np	Method	AAT/NAP

Start	5715	End	7138
GI	6006381	Score	76
Exons	5715..5737, 6946..7138		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	32904	Seq. ID	OJ991118_19.0223.C7
Gene No.	68279	Strand	-
Start	9792	End	10732
Name	OJ991118_19.0223.C7.o3.np	Method	AAT/NAP
Start	9427	End	10732
GI	6815099	Score	79
Exons	9427..9542, 10705..10732		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	32904	Seq. ID	OJ991118_19.0223.C7
Gene No.	68279	Strand	-
Start	9792	End	10732
Name	OJ991118_19.0223.C7.o2.gs	Method	GENSCAN
Start	9792	End	10484
GI	none	Score	.78
Exons	9792..10170, 10314..10484		

Seq. No.	32905	Seq. ID	OJ991118_19.0223.C8
Gene No.	68280	Strand	+
Start	181	End	3738
Name	OJ991118_19.0223.C8.o1.gs	Method	GENSCAN
Start	181	End	3738
GI	none	Score	.47
Exons	181..372, 3166..3384, 3409..3738		

Seq. No.	32905	Seq. ID	OJ991118_19.0223.C8
Gene No.	68280	Strand	+
Start	181	End	3738
Name	OJ991118_19.0223.C8.o1.np	Method	AAT/NAP
Start	3515	End	3738
GI	6714446	Score	100
Exons	3515..3738		
GI Descrip.	(AC011620) putative protein phosphatase-2C [Arabidopsis thaliana]		

Seq. No.	32905	Seq. ID	OJ991118_19.0223.C8
Gene No.	68281	Strand	-
Start	1906	End	1962
Name	OJ991118_19.0223.C8.o1.gp	Method	AAT/GAP
Start	1906	End	1962
GI	3760640	Score	77
Exons	1906..1962		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	32905	Seq. ID	OJ991118_19.0223.C8
Gene No.	68282	Strand	
Start	3511	End	3738
Name	OJ991118_19.0223.C8.o1.tm	Method	TBLASTX:Maize
Start	3511	End	3738
GI	none	Score	85
Exons	3511..3600, 3512..3574, 3634..3738, 3636..3737		

Seq. No.	32906	Seq. ID	OJ991118_19.0223.C9
Gene No.	68283	Strand	+
Start	1041	End	2847
Name	OJ991118_19.0223.C9.o1.np	Method	AAT/NAP
Start	1041	End	2782
GI	6714446	Score	796
Exons	1041..1722, 2068..2291, 2594..2782		
GI Descrip.	(AC011620) putative protein phosphatase-2C [Arabidopsis thaliana]		

Seq. No.	32906	Seq. ID	OJ991118_19.0223.C9
Gene No.	68283	Strand	+
Start	1041	End	2847
Name	OJ991118_19.0223.C9.o1.gs	Method	GENSCAN
Start	1291	End	2847
GI	none	Score	.72
Exons	1291..1722, 2068..2291, 2554..2847		

Seq. No.	32906	Seq. ID	OJ991118_19.0223.C9
Gene No.	68284	Strand	-
Start	3313	End	5747
Name	OJ991118_19.0223.C9.o1.tc	Method	TBLASTX:Cress
Start	1267	End	1643
GI	none	Score	131
Exons	1267..1362, 1290..1361, 1362..1436, 1470..1643, 1559..1639		

Seq. No.	32906	Seq. ID	OJ991118_19.0223.C9
Gene No.	68284	Strand	-
Start	3313	End	5747
Name	OJ991118_19.0223.C9.o1.tm	Method	TBLASTX:Maize
Start	1267	End	2767
GI	none	Score	141
Exons	1267..1362, 1290..1361, 1362..1694, 1418..1687, 1665..1727, 2067..2294, 2069..2293, 2593..2757, 2594..2767		

Seq. No.	32906	Seq. ID	OJ991118_19.0223.C9
Gene No.	68284	Strand	-
Start	3313	End	5747
Name	OJ991118_19.0223.C9.o1.ts	Method	TBLASTX:Soybean
Start	1267	End	2219
GI	none	Score	119
Exons	1267..1362, 1293..1352, 1350..1436, 1470..1658, 1559..1657, 1676..1720, 1677..1727, 2067..2219, 2069..2215, 2118..2216		

Seq. No.	32906	Seq. ID	OJ991118_19.0223.C9
Gene No.	68284	Strand	-
Start	3313	End	5747
Name	OJ991118_19.0223.C9.o1.tw	Method	TBLASTX:Wheat
Start	1330	End	1646
GI	none	Score	73
Exons	1330..1362, 1332..1361, 1362..1454, 1427..1645, 1446..1646		

Seq. No.	32906	Seq. ID	OJ991118_19.0223.C9
Gene No.	68284	Strand	-
Start	3313	End	5747
Name	OJ991118_19.0223.C9.o2.tc	Method	TBLASTX:Cress

Start	1677	End	2255
GI	none	Score	73
Exons	1677..1727, 2067..2255, 2069..2239		

Seq. No.	32906	Seq. ID	OJ991118_19.0223.C9
Gene No.	68284	Strand	-
Start	3313	End	5747
Name	OJ991118_19.0223.C9.o2.tw	Method	TBLASTX:Wheat
Start	2165	End	2770
GI	none	Score	197
Exons	2165..2293, 2166..2294, 2593..2757, 2594..2770		

Seq. No.	32906	Seq. ID	OJ991118_19.0223.C9
Gene No.	68284	Strand	-
Start	3313	End	5747
Name	OJ991118_19.0223.C9.o2.ts	Method	TBLASTX:Soybean
Start	2220	End	2770
GI	none	Score	100
Exons	2220..2294, 2222..2293, 2593..2760, 2594..2770		

Seq. No.	32906	Seq. ID	OJ991118_19.0223.C9
Gene No.	68284	Strand	-
Start	3313	End	5747
Name	OJ991118_19.0223.C9.o3.tc	Method	TBLASTX:Cress
Start	2594	End	2770
GI	none	Score	212
Exons	2594..2770, 2596..2760		

Seq. No.	32906	Seq. ID	OJ991118_19.0223.C9
Gene No.	68284	Strand	-
Start	3313	End	5747
Name	OJ991118_19.0223.C9.o2.gs	Method	GENSCAN
Start	3313	End	5690
GI	none	Score	.65
Exons	3313..3394, 3447..3608, 4024..4120, 4602..4653, 4754..4798, 5125..5202, 5664..5690		

Seq. No.	32906	Seq. ID	OJ991118_19.0223.C9
Gene No.	68284	Strand	-
Start	3313	End	5747
Name	OJ991118_19.0223.C9.o2.np	Method	AAT/NAP
Start	3446	End	5747
GI	2244964	Score	606
Exons	3446..3608, 4024..4120, 4602..4653, 4971..5015, 5125..5202, 5664..5747		
GI Descrip.	(Z97340) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32906	Seq. ID	OJ991118_19.0223.C9
Gene No.	68284	Strand	-
Start	3313	End	5747
Name	OJ991118_19.0223.C9.o3.ts	Method	TBLASTX:Soybean
Start	3446	End	5202
GI	none	Score	78
Exons	3446..3607, 3447..3518, 3564..3608, 4026..4115, 4606..4653, 4751..4798, 4948..5013, 4968..5018, 5102..5185, 5110..5202		

Seq. No.	32907	Seq. ID	OJ991118_19.0223.C10

Gene No.	68285	Strand	+
Start	52	End	168
Name	OJ991118_19.0223.C10.o1.gs	Method	GENSCAN
Start	52	End	168
GI	none	Score	.89
Exons	52..168		

Seq. No.	32907	Seq. ID	OJ991118_19.0223.C10
Gene No.	68286	Strand	-
Start	1617	End	1782
Name	OJ991118_19.0223.C10.o2.gs	Method	GENSCAN
Start	1617	End	1782
GI	none	Score	.54
Exons	1617..1782		

Seq. No.	32908	Seq. ID	OJ991118_19.0223.C11
Gene No.	68287	Strand	+
Start	585	End	4626
Name	OJ991118_19.0223.C11.o1.gs	Method	GENSCAN
Start	585	End	4230
GI	none	Score	.84
Exons	585..699, 1240..1415, 1525..1602, 2074..2163, 2235..2296, 2416..2531, 2650..2771, 2960..3022, 3110..3167, 3419..3492, 4141..4230		

Seq. No.	32908	Seq. ID	OJ991118_19.0223.C11
Gene No.	68287	Strand	+
Start	585	End	4626
Name	OJ991118_19.0223.C11.o1.np	Method	AAT/NAP
Start	591	End	3844
GI	2498803	Score	414
Exons	591..699, 1113..1163, 1258..1409, 1531..1602, 1693..1804, 1949..2033, 2112..2195, 2388..2651, 2952..3022, 3110..3167, 3419..3494, 3669..3844		
GI Descrip.	DNA PRIMASE SMALL SUBUNIT (DNA PRIMASE 50 KD SUBUNIT) (DNA POLYMERASE SUBUNIT A) (DPRI50) gi|666989|emb|CAA56196| (X79801) DNA polymerase subunit A [Drosophila melanogaster]		

Seq. No.	32908	Seq. ID	OJ991118_19.0223.C11
Gene No.	68287	Strand	+
Start	585	End	4626
Name	OJ991118_19.0223.C11.o2.gp	Method	AAT/GAP
Start	2110	End	3144
GI	3759042	Score	782
Exons	2110..2163, 2235..2296, 2416..2531, 2650..2771, 2960..3022, 3110..3144		
GI Descrip.	130897/sp|P20664|PRI1_MOUSE 9.0e-18 DNA PRIMASE SMALL SUBUNIT (DNA PRIMASE 49 KD SUBUNIT) (P49) >gi_423418_pir__D46642 DNA primase (EC 2.7.7.-) 46K chain - mouse >gi_303661_dbj_BAA02744.1_ (D13544) primase small subunit [Mus musculus]		

Seq. No.	32908	Seq. ID	OJ991118_19.0223.C11
Gene No.	68287	Strand	+
Start	585	End	4626
Name	OJ991118_19.0223.C11.o3.gp	Method	AAT/GAP
Start	3598	End	4626

GI	3759043	Score	1281
Exons	3598..3650, 3747..3826, 4042..4626		

Seq. No.	32908	Seq. ID	OJ991118_19.0223.C11
Gene No.	68288	Strand	-
Start	561	End	2017
Name	OJ991118_19.0223.C11.o1.gp	Method	AAT/GAP
Start	561	End	724
GI	4878408	Score	231
Exons	561..724		

Seq. No.	32908	Seq. ID	OJ991118_19.0223.C11
Gene No.	68288	Strand	-
Start	561	End	2017
Name	OJ991118_19.0223.C11.o1.tw	Method	TBLASTX:Wheat
Start	597	End	1402
GI	none	Score	141
Exons	597..701, 626..700, 1111..1161, 1111..1161, 1112..1162, 1113..1163, 1238..1402, 1239..1400, 1244..1402		

Seq. No.	32908	Seq. ID	OJ991118_19.0223.C11
Gene No.	68288	Strand	-
Start	561	End	2017
Name	OJ991118_19.0223.C11.o1.ts	Method	TBLASTX:Soybean
Start	1111	End	1820
GI	none	Score	69
Exons	1111..1158, 1112..1162, 1238..1402, 1239..1415, 1254..1415, 1495..1563, 1525..1563, 1557..1607, 1558..1602, 1692..1820, 1693..1803		

Seq. No.	32908	Seq. ID	OJ991118_19.0223.C11
Gene No.	68288	Strand	-
Start	561	End	2017
Name	OJ991118_19.0223.C11.o1.tm	Method	TBLASTX:Maize
Start	1314	End	2017
GI	none	Score	76
Exons	1314..1400, 1321..1401, 1326..1397, 1350..1415, 1351..1401, 1352..1414, 1522..1599, 1524..1607, 1525..1602, 1692..1820, 1693..1803, 1752..1805, 1923..2015, 1943..2017, 1947..2015, 1948..2016		

Seq. No.	32908	Seq. ID	OJ991118_19.0223.C11
Gene No.	68289	Strand	
Start	2104	End	2803
Name	OJ991118_19.0223.C11.o2.ts	Method	TBLASTX:Soybean
Start	2104	End	2803
GI	none	Score	82
Exons	2104..2163, 2110..2163, 2232..2297, 2234..2311, 2398..2508, 2420..2533, 2420..2530, 2652..2771, 2654..2803		

Seq. No.	32909	Seq. ID	OJ991118_19.0223.C12
Gene No.	68290	Strand	+
Start	51	End	2807
Name	OJ991118 19.0223.C12.o1.gs	Method	GENSCAN
Start	51	End	2807
GI	none	Score	.6
Exons	51..206, 1358..1453, 2670..2807		

Seq. No.	32910	Seq. ID	OJ991118_19.0223.C13
Gene No.	68291	Strand	+
Start	7350	End	9026
Name	OJ991118_19.0223.C13.o1.np	Method	AAT/NAP
Start	7350	End	9026
GI	2191171	Score	75
Exons	7350..7534, 8944..9026		
GI Descrip.	(AF007270) similar to A. thaliana DI19 mRNA (NID:g469110) [Arabidopsis thaliana]		

Seq. No.	32910	Seq. ID	OJ991118_19.0223.C13
Gene No.	68291	Strand	+
Start	7350	End	9026
Name	OJ991118_19.0223.C13.o1.gp	Method	AAT/GAP
Start	7387	End	7541
GI	8492_2.R1084	Score	214
Exons	7387..7541		
GI Descrip.	'1076316/pir||S51478 5.0e-21 drought-induced protein Di19 - Arabidopsis thaliana >gi_469110_emb_CAA55321_ (X78584) Di19 [Arabidopsis thaliana]'		

Seq. No.	32911	Seq. ID	OJ991118_19.0223.C14
Gene No.	68292	Strand	+
Start	585	End	2010
Name	OJ991118_19.0223.C14.o1.np	Method	AAT/NAP
Start	585	End	2010
GI	5852084	Score	86
Exons	585..639, 1923..2010		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	32911	Seq. ID	OJ991118_19.0223.C14
Gene No.	68293	Strand	-
Start	1	End	617
Name	OJ991118_19.0223.C14.o1.gp	Method	AAT/GAP
Start	1	End	617
GI	8492_2.R1084	Score	511
Exons	1..30, 349..617		
GI Descrip.	'1076316/pir||S51478 5.0e-21 drought-induced protein Di19 - Arabidopsis thaliana >gi_469110_emb_CAA55321_ (X78584) Di19 [Arabidopsis thaliana]'		

Seq. No.	32912	Seq. ID	OJ991118_19.0223.C15
Gene No.	68294	Strand	+
Start	1314	End	8709
Name	OJ991118_19.0223.C15.o1.gs	Method	GENSCAN
Start	1314	End	8671
GI	none	Score	.43
Exons	1314..1400, 2676..2789, 4593..5045, 6130..6249, 6805..6841, 7763..7896, 8295..8435, 8564..8671		

Seq. No.	32912	Seq. ID	OJ991118_19.0223.C15
Gene No.	68294	Strand	+
Start	1314	End	8709
Name	OJ991118_19.0223.C15.o1.np	Method	AAT/NAP
Start	4666	End	8668
GI	6503307	Score	798

Exons	4666..5204, 6130..6249, 6355..6392, 6777..6841, 7324..7392, 7763..7839, 8295..8435, 8564..8668		
GI Descrip.	(AC011713) Is a member of the PF|01553 Acyltransferase family. [Arabidopsis thaliana]		

Seq. No.	32912	Seq. ID	OJ991118_19.0223.C15
Gene No.	68294	Strand	+
Start	1314	End	8709
Name	OJ991118_19.0223.C15.o1.ts	Method	TBLASTX:Soybean
Start	4925	End	8673
GI	none	Score	57
Exons	4925..4954, 5015..5122, 5038..5169, 6117..6248, 6124..6249, 6126..6245, 6127..6249, 6352..6411, 6354..6392, 6774..6839, 6775..6840, 7320..7391, 7761..7895, 7762..7932, 7794..7898, 8297..8434, 8298..8435, 8301..8441, 8553..8663, 8558..8671, 8559..8663, 8563..8673		

Seq. No.	32912	Seq. ID	OJ991118_19.0223.C15
Gene No.	68294	Strand	+
Start	1314	End	8709
Name	OJ991118_19.0223.C15.o1.tm	Method	TBLASTX:Maize
Start	6103	End	8709
GI	none	Score	158
Exons	6103..6249, 6136..6249, 6138..6251, 6357..6392, 6774..6842, 6775..6843, 7320..7391, 7761..7895, 7762..7896, 7771..7890, 7794..7895, 8294..8434, 8295..8435, 8297..8437, 8301..8441, 8302..8442, 8561..8635, 8561..8629, 8562..8633, 8563..8634, 8618..8695, 8631..8708, 8632..8709, 8633..8695		

Seq. No.	32912	Seq. ID	OJ991118_19.0223.C15
Gene No.	68294	Strand	+
Start	1314	End	8709
Name	OJ991118_19.0223.C15.o1.tc	Method	TBLASTX:Cress
Start	6124	End	8680
GI	none	Score	145
Exons	6124..6249, 6153..6248, 6774..6845, 6775..6846, 7320..7391, 7762..7896, 7762..7896, 8294..8434, 8295..8435, 8357..8437, 8558..8680, 8563..8679		

Seq. No.	32913	Seq. ID	OJ991118_19.0223.C16
Gene No.	68295	Strand	-
Start	3192	End	3501
Name	OJ991118_19.0223.C16.o1.gp	Method	AAT/GAP
Start	3192	End	3501
GI	701746	Score	345
Exons	3192..3501		

Seq. No.	32913	Seq. ID	OJ991118_19.0223.C16
Gene No.	68296	Strand	-
Start	4517	End	11841
Name	OJ991118_19.0223.C16.o2.gp	Method	AAT/GAP
Start	4517	End	7983
GI	25447_1.R1084	Score	2080
Exons	4517..4899, 5001..5171, 5256..5369, 5801..5971, 6050..6169, 6733..6807, 7741..7797, 7899..7983		
GI Descrip.	'2058456/gb|AAB53256.1| 1.0e-130 (U66408) GTP-binding protein [Arabidopsis thaliana] >gi_2345150_gb_AAB67830_ (AF014822)		

developmentally regulated GTP binding protein [Arabidopsis thaliana]'

Seq. No.	32913	Seq. ID	OJ991118_19.0223.C16
Gene No.	68296	Strand	-
Start	4517	End	11841
Name	OJ991118_19.0223.C16.o1.tc	Method	TBLASTX:Cress
Start	4781	End	9804
GI	none	Score	112
Exons	4781..4903, 4792..4902, 4999..5166, 5001..5171, 5037..5171, 5053..5172, 5256..5378, 5260..5376, 5801..5971, 5805..5840, 5806..5973, 5898..5972, 6047..6172, 6049..6171, 6050..6172, 6715..6810, 6716..6808, 7736..7798, 7740..7799, 7742..7798, 7888..8082, 7888..8079, 7896..8081, 8595..8675, 8597..8671, 8905..8976, 8909..8977, 8912..8980, 9736..9804, 9736..9804		

Seq. No.	32913	Seq. ID	OJ991118_19.0223.C16
Gene No.	68296	Strand	-
Start	4517	End	11841
Name	OJ991118_19.0223.C16.o1.ts	Method	TBLASTX:Soybean
Start	4798	End	5163
GI	none	Score	121
Exons	4798..4902, 4808..4900, 5001..5162, 5010..5078, 5053..5163		

Seq. No.	32913	Seq. ID	OJ991118_19.0223.C16
Gene No.	68296	Strand	-
Start	4517	End	11841
Name	OJ991118_19.0223.C16.o1.tm	Method	TBLASTX:Maize
Start	4804	End	6109
GI	none	Score	145
Exons	4804..4902, 4805..4909, 4808..4909, 4999..5166, 5000..5167, 5001..5186, 5037..5171, 5044..5199, 5242..5376, 5256..5396, 5801..5971, 5805..5972, 5806..5973, 6040..6108, 6047..6109, 6049..6108		

Seq. No.	32913	Seq. ID	OJ991118_19.0223.C16
Gene No.	68296	Strand	-
Start	4517	End	11841
Name	OJ991118_19.0223.C16.o1.np	Method	AAT/NAP
Start	4807	End	9804
GI	6648162	Score	1618
Exons	4807..4896, 4998..5171, 5256..5369, 5801..5971, 6050..6169, 6733..6807, 7741..7797, 7899..8079, 8595..8671, 8905..8972, 9735..9804		
GI Descrip.	(AC010926) putative GTP-binding protein [Arabidopsis thaliana]		

Seq. No.	32913	Seq. ID	OJ991118_19.0223.C16
Gene No.	68296	Strand	-
Start	4517	End	11841
Name	OJ991118_19.0223.C16.o3.ts	Method	TBLASTX:Soybean
Start	5286	End	6106
GI	none	Score	81
Exons	5286..5348, 5286..5378, 5287..5376, 5793..5963, 5801..5836, 5801..5971, 5805..5963, 5806..5973, 5897..5965, 6046..6102, 6047..6106, 6047..6106		

Seq. No.	32913	Seq. ID	OJ991118_19.0223.C16

Gene No.	68296	Strand	-
Start	4517	End	11841
Name	OJ991118_19.0223.C16.o2.gs	Method	GENSCAN
Start	5765	End	11841
GI	none	Score	.41
Exons	5765..5971, 6050..6169, 6733..6807, 7741..7797, 7899..8079, 8595..8671, 10846..10953, 11016..11134, 11316..11359, 11709..11841		

Seq. No.	32913	Seq. ID	OJ991118_19.0223.C16
Gene No.	68296	Strand	-
Start	4517	End	11841
Name	OJ991118_19.0223.C16.o2.tm	Method	TBLASTX:Maize
Start	6110	End	9855
GI	none	Score	84
Exons	6110..6172, 6111..6170, 6715..6810, 6716..6808, 6717..6809, 6730..6810, 6737..6814, 7740..7799, 7742..7798, 7743..7799, 7744..7833, 7888..8082, 7889..8089, 7896..8081, 8595..8675, 8595..8654, 8596..8676, 8597..8671, 8897..8977, 8905..8976, 9717..9833, 9731..9835, 9735..9836, 9736..9837, 9736..9855		

Seq. No.	32913	Seq. ID	OJ991118_19.0223.C16
Gene No.	68296	Strand	-
Start	4517	End	11841
Name	OJ991118_19.0223.C16.o2.ts	Method	TBLASTX:Soybean
Start	7748	End	9807
GI	none	Score	55
Exons	7748..7798, 7759..7797, 7888..8082, 7889..8089, 7896..8081, 8595..8675, 8595..8663, 8597..8671, 8876..8977, 8905..8976, 9729..9806, 9736..9804, 9736..9807		

Seq. No.	32913	Seq. ID	OJ991118_19.0223.C16
Gene No.	68296	Strand	-
Start	4517	End	11841
Name	OJ991118_19.0223.C16.o3.gp	Method	AAT/GAP
Start	8882	End	10366
GI	27256_1.R1084	Score	596
Exons	8882..8972, 9735..9855, 10229..10366		
GI Descrip.	'2058456/gb|AAB53256.1| 2.0e-18 (U66408) GTP-binding protein [Arabidopsis thaliana] >gi_2345150_gb_AAB67830_ (AF014822) developmentally regulated GTP binding protein [Arabidopsis thaliana]'		

Seq. No.	32913	Seq. ID	OJ991118_19.0223.C16
Gene No.	68296	Strand	-
Start	4517	End	11841
Name	OJ991118_19.0223.C16.o2.np	Method	AAT/NAP
Start	10228	End	11821
GI	5441886	Score	54
Exons	10228..10401, 10873..10967, 11766..11821		
GI Descrip.	(AP000367) EST AU069246(C53478) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32914	Seq. ID	OJ991118_19.0223.C17
Gene No.	68297	Strand	+
Start	195	End	894
Name	OJ991118_19.0223.C17.o1.gs	Method	GENSCAN

Start	195	End	894
GI	none	Score	.62
Exons	195..212, 720..786, 846..894		

Seq. No.	32915	Seq. ID	OJ991118_19.0223.C18
Gene No.	68298	Strand	+
Start	1605	End	1661
Name	OJ991118_19.0223.C18.o1.gp	Method	AAT/GAP
Start	1605	End	1661
GI	LIB3477-003-P1-K1-E9	Score	61
Exons	1605..1661		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	32915	Seq. ID	OJ991118_19.0223.C18
Gene No.	68299	Strand	+
Start	6923	End	6974
Name	OJ991118_19.0223.C18.o3.gp	Method	AAT/GAP
Start	6923	End	6974
GI	53415_1.R1084	Score	61
Exons	6923..6974		
GI Descrip.	'130897/sp|P20664|PRI1_MOUSE 9.0e-18 DNA PRIMASE SMALL SUBUNIT (DNA PRIMASE 49 KD SUBUNIT) (P49) >gi_423418_pir__D46642 DNA primase (EC 2.7.7.-) 46K chain - mouse >gi_303661_dbj_BAA02744.1_ (D13544) primase small subunit [Mus musculus]'		

Seq. No.	32915	Seq. ID	OJ991118_19.0223.C18
Gene No.	68300	Strand	-
Start	1235	End	7287
Name	OJ991118_19.0223.C18.o1.np	Method	AAT/NAP
Start	1235	End	7143
GI	5777632	Score	448
Exons	1235..1339, 3311..3462, 3752..3910, 4144..4403, 4673..4789, 6995..7143		
GI Descrip.	(AJ245900) CAA303720.1 protein [Oryza sativa]		

Seq. No.	32915	Seq. ID	OJ991118_19.0223.C18
Gene No.	68300	Strand	-
Start	1235	End	7287
Name	OJ991118_19.0223.C18.o1.tm	Method	TBLASTX:Maize
Start	2364	End	2692
GI	none	Score	93
Exons	2364..2426, 2365..2427, 2374..2433, 2435..2524, 2435..2479, 2437..2532, 2578..2667, 2600..2650, 2603..2692		

Seq. No.	32915	Seq. ID	OJ991118_19.0223.C18
Gene No.	68300	Strand	-
Start	1235	End	7287
Name	OJ991118_19.0223.C18.o3.gs	Method	GENSCAN
Start	3561	End	7287
GI	none	Score	.66
Exons	3561..3574, 3752..3910, 4144..4403, 4673..4789, 5325..5387, 6995..7287		

Seq. No.	32916	Seq. ID	OJ991118_19.0223.C19

Gene No.	68301	Strand	-
Start	1	End	3226
Name	OJ991118_19.0223.C19.o1.np	Method	AAT/NAP
Start	1	End	3226
GI	6691191	Score	1249
Exons	1..1169, 2889..3049, 3164..3226		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	32916	Seq. ID	OJ991118_19.0223.C19
Gene No.	68301	Strand	-
Start	1	End	3226
Name	OJ991118_19.0223.C19.o1.tw	Method	TBLASTX:Wheat
Start	2	End	415
GI	none	Score	220
Exons	2..394, 2..415, 3..413		

Seq. No.	32916	Seq. ID	OJ991118_19.0223.C19
Gene No.	68301	Strand	-
Start	1	End	3226
Name	OJ991118_19.0223.C19.o2.ts	Method	TBLASTX:Soybean
Start	8	End	262
GI	none	Score	86
Exons	8..217, 39..224, 203..262		

Seq. No.	32916	Seq. ID	OJ991118_19.0223.C19
Gene No.	68301	Strand	-
Start	1	End	3226
Name	OJ991118_19.0223.C19.o1.gs	Method	GENSCAN
Start	26	End	3087
GI	none	Score	.78
Exons	26..2147, 2381..3087		

Seq. No.	32916	Seq. ID	OJ991118_19.0223.C19
Gene No.	68301	Strand	-
Start	1	End	3226
Name	OJ991118_19.0223.C19.o1.tm	Method	TBLASTX:Maize
Start	266	End	655
GI	none	Score	249
Exons	266..655		

Seq. No.	32916	Seq. ID	OJ991118_19.0223.C19
Gene No.	68301	Strand	-
Start	1	End	3226
Name	OJ991118_19.0223.C19.o1.ts	Method	TBLASTX:Soybean
Start	491	End	916
GI	none	Score	74
Exons	491..916, 503..619, 615..890		

Seq. No.	32916	Seq. ID	OJ991118_19.0223.C19
Gene No.	68301	Strand	-
Start	1	End	3226
Name	OJ991118_19.0223.C19.o2.tw	Method	TBLASTX:Wheat
Start	512	End	916
GI	none	Score	138
Exons	512..916, 542..820, 621..899		

Seq. No.	32916	Seq. ID	OJ991118_19.0223.C19

Gene No.	68301	Strand	-
Start	1	End	3226
Name	OJ991118_19.0223.C19.o2.np	Method	AAT/NAP
Start	843	End	3087
GI	6721562	Score	866
Exons	843..889, 2347..3087		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	32917	Seq. ID	OJ991118_19.0223.C20
Gene No.	68302	Strand	+
Start	217	End	3819
Name	OJ991118_19.0223.C20.o1.gs	Method	GENSCAN
Start	217	End	3819
GI	none	Score	.69
Exons	217..374, 675..1157, 1159..1883, 1926..2134, 2262..2507, 2513..3617, 3626..3819		

Seq. No.	32917	Seq. ID	OJ991118_19.0223.C20
Gene No.	68302	Strand	+
Start	217	End	3819
Name	OJ991118_19.0223.C20.o1.np	Method	AAT/NAP
Start	694	End	3816
GI	6907089	Score	4003
Exons	694..1883, 1981..3816		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	32917	Seq. ID	OJ991118_19.0223.C20
Gene No.	68303	Strand	-
Start	4443	End	7026
Name	OJ991118_19.0223.C20.o2.gs	Method	GENSCAN
Start	4443	End	6978
GI	none	Score	.5
Exons	4443..5087, 5144..5687, 5796..6021, 6027..6978		

Seq. No.	32917	Seq. ID	OJ991118_19.0223.C20
Gene No.	68303	Strand	-
Start	4443	End	7026
Name	OJ991118_19.0223.C20.o2.tm	Method	TBLASTX:Maize
Start	4443	End	4587
GI	none	Score	128
Exons	4443..4586, 4447..4587		

Seq. No.	32917	Seq. ID	OJ991118_19.0223.C20
Gene No.	68303	Strand	-
Start	4443	End	7026
Name	OJ991118_19.0223.C20.o2.np	Method	AAT/NAP
Start	4446	End	7026
GI	6498441	Score	3498
Exons	4446..4727, 4821..6216, 6388..7026		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	32917	Seq. ID	OJ991118_19.0223.C20
Gene No.	68303	Strand	-
Start	4443	End	7026
Name	OJ991118_19.0223.C20.o1.tw	Method	TBLASTX:Wheat
Start	4455	End	5065
GI	none	Score	77
Exons	4455..4580, 4459..4581, 4611..4685, 4773..5063, 4774..5031, 4991..5065		

Seq. No.	32917	Seq. ID	OJ991118_19.0223.C20
Gene No.	68303	Strand	-
Start	4443	End	7026
Name	OJ991118_19.0223.C20.o2.tw	Method	TBLASTX:Wheat
Start	5181	End	5572
GI	none	Score	48
Exons	5181..5237, 5183..5572, 5259..5549		

Seq. No.	32917	Seq. ID	OJ991118_19.0223.C20
Gene No.	68303	Strand	-
Start	4443	End	7026
Name	OJ991118_19.0223.C20.o1.tm	Method	TBLASTX:Maize
Start	5232	End	5575
GI	none	Score	205
Exons	5232..5381, 5252..5575, 5277..5546		

Seq. No.	32917	Seq. ID	OJ991118_19.0223.C20
Gene No.	68303	Strand	-
Start	4443	End	7026
Name	OJ991118_19.0223.C20.o4.tw	Method	TBLASTX:Wheat
Start	5768	End	6089
GI	none	Score	74
Exons	5768..6028, 5904..6089		

Seq. No.	32917	Seq. ID	OJ991118_19.0223.C20
Gene No.	68303	Strand	-
Start	4443	End	7026
Name	OJ991118_19.0223.C20.o3.tw	Method	TBLASTX:Wheat
Start	6112	End	6540
GI	none	Score	74
Exons	6112..6231, 6131..6220, 6265..6516, 6275..6451, 6292..6540		

Seq. No.	32918	Seq. ID	OJ991118_19.0223.C21
Gene No.	68304	Strand	-
Start	1	End	1758
Name	OJ991118_19.0223.C21.o1.np	Method	AAT/NAP
Start	1	End	1758
GI	6498441	Score	2002
Exons	1..338, 512..646, 830..1203, 1267..1758		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	32918	Seq. ID	OJ991118_19.0223.C21
Gene No.	68304	Strand	-
Start	1	End	1758
Name	OJ991118_19.0223.C21.o1.gs	Method	GENSCAN
Start	43	End	1680

GI	none	Score	.71
Exons	43..307, 370..1203, 1267..1680		

Seq. No.	32918	Seq. ID	OJ991118_19.0223.C21
Gene No.	68304	Strand	-
Start	1	End	1758
Name	OJ991118_19.0223.C21.o1.ts	Method	TBLASTX:Soybean
Start	176	End	546
GI	none	Score	78
Exons	176..406, 403..546, 404..529		

Seq. No.	32918	Seq. ID	OJ991118_19.0223.C21
Gene No.	68304	Strand	-
Start	1	End	1758
Name	OJ991118_19.0223.C21.o2.tw	Method	TBLASTX:Wheat
Start	206	End	625
GI	none	Score	93
Exons	206..412, 231..386, 394..624, 395..625		

Seq. No.	32918	Seq. ID	OJ991118_19.0223.C21
Gene No.	68304	Strand	-
Start	1	End	1758
Name	OJ991118_19.0223.C21.o2.tm	Method	TBLASTX:Maize
Start	299	End	682
GI	none	Score	198
Exons	299..409, 397..681, 398..682		

Seq. No.	32918	Seq. ID	OJ991118_19.0223.C21
Gene No.	68304	Strand	-
Start	1	End	1758
Name	OJ991118_19.0223.C21.o1.tm	Method	TBLASTX:Maize
Start	709	End	1065
GI	none	Score	73
Exons	709..825, 709..1065, 719..1030		

Seq. No.	32918	Seq. ID	OJ991118_19.0223.C21
Gene No.	68304	Strand	-
Start	1	End	1758
Name	OJ991118_19.0223.C21.o1.tw	Method	TBLASTX:Wheat
Start	733	End	1196
GI	none	Score	216
Exons	733..1194, 739..1194, 740..1195, 753..1196		

Seq. No.	32918	Seq. ID	OJ991118_19.0223.C21
Gene No.	68304	Strand	-
Start	1	End	1758
Name	OJ991118_19.0223.C21.o2.ts	Method	TBLASTX:Soybean
Start	790	End	1155
GI	none	Score	124
Exons	790..924, 931..1155		

Seq. No.	32918	Seq. ID	OJ991118_19.0223.C21
Gene No.	68304	Strand	-
Start	1	End	1758
Name	OJ991118_19.0223.C21.o3.tw	Method	TBLASTX:Wheat
Start	1360	End	1755
GI	none	Score	153

Exons	1360..1755, 1391..1651		

Seq. No.	32919	Seq. ID	OJ991118_19.0223.C22
Gene No.	68305	Strand	-
Start	1	End	10363
Name	OJ991118_19.0223.C22.o1.np	Method	AAT/NAP
Start	1	End	2164
GI	6498441	Score	1205
Exons	1..850, 2129..2164		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	32919	Seq. ID	OJ991118_19.0223.C22
Gene No.	68305	Strand	-
Start	1	End	10363
Name	OJ991118_19.0223.C22.o1.gs	Method	GENSCAN
Start	43	End	10152
GI	none	Score	.49
Exons	43..652, 663..736, 814..1141, 1178..1352, 1714..1756, 2181..2248, 2832..2976, 4141..4178, 4340..4462, 4729..4997, 5146..5255, 5482..5512, 6865..6943, 7344..7438, 7601..7689, 7790..7884, 8701..8807, 9829..9924, 10032..10152		

Seq. No.	32919	Seq. ID	OJ991118_19.0223.C22
Gene No.	68305	Strand	-
Start	1	End	10363
Name	OJ991118_19.0223.C22.o1.tw	Method	TBLASTX:Wheat
Start	740	End	2782
GI	none	Score	213
Exons	740..844, 2429..2782		

Seq. No.	32919	Seq. ID	OJ991118_19.0223.C22
Gene No.	68305	Strand	-
Start	1	End	10363
Name	OJ991118_19.0223.C22.o2.np	Method	AAT/NAP
Start	1299	End	9547
GI	5042454	Score	207
Exons	1299..1359, 1720..1888, 9505..9547		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	32919	Seq. ID	OJ991118_19.0223.C22
Gene No.	68305	Strand	-
Start	1	End	10363
Name	OJ991118_19.0223.C22.o4.np	Method	AAT/NAP
Start	1833	End	6499
GI	5852181	Score	133
Exons	1833..1939, 3086..3240, 6479..6499		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	32919	Seq. ID	OJ991118_19.0223.C22
Gene No.	68305	Strand	-
Start	1	End	10363
Name	OJ991118_19.0223.C22.o1.tm	Method	TBLASTX:Maize
Start	6954	End	9932
GI	none	Score	213
Exons	6954..6971, 6970..7239, 6970..7062, 6974..7240, 6975..7310,		

7099..7248, 7339..7449, 7341..7439, 7342..7440, 7343..7462,
7507..7581, 7514..7585, 7514..7582, 7572..7688, 7600..7695,
7603..7695, 7789..7854, 7790..7879, 7792..7884, 7801..7890,
7806..7886, 8246..8356, 8247..8357, 8427..8489, 8436..8489,
8440..8508, 8683..8805, 8683..8784, 8699..8809, 8700..8810,
8700..8804, 8723..8809, 9818..9931, 9828..9932

Seq. No.	32919	Seq. ID	OJ991118_19.0223.C22
Gene No.	68305	Strand	-
Start	1	End	10363
Name	OJ991118_19.0223.C22.o5.np	Method	AAT/NAP
Start	7007	End	10363
GI	2529678	Score	785
Exons	7007..7237, 7344..7421, 7584..7689, 7790..7884, 8246..8352, 8392..8487, 8701..8807, 10032..10079, 10334..10363		
GI Descrip.	(AC002535) putative mitochondrial carrier protein [Arabidopsis thaliana]		

Seq. No.	32919	Seq. ID	OJ991118_19.0223.C22
Gene No.	68305	Strand	-
Start	1	End	10363
Name	OJ991118_19.0223.C22.o1.ts	Method	TBLASTX:Soybean
Start	7017	End	7395
GI	none	Score	125
Exons	7017..7145, 7020..7238, 7031..7240, 7031..7147, 7043..7147, 7043..7249, 7154..7243, 7158..7268, 7339..7395, 7341..7364		

Seq. No.	32919	Seq. ID	OJ991118_19.0223.C22
Gene No.	68305	Strand	-
Start	1	End	10363
Name	OJ991118_19.0223.C22.o1.tc	Method	TBLASTX:Cress
Start	7040	End	7646
GI	none	Score	129
Exons	7040..7240, 7059..7184, 7209..7238, 7339..7428, 7341..7430, 7498..7551, 7514..7552, 7578..7646		

Seq. No.	32919	Seq. ID	OJ991118_19.0223.C22
Gene No.	68305	Strand	-
Start	1	End	10363
Name	OJ991118_19.0223.C22.o2.ts	Method	TBLASTX:Soybean
Start	7514	End	8757
GI	5677649	Score	63
Exons	7514..7582, 7515..7586, 7527..7583, 7578..7688, 7606..7698, 7790..7885, 7792..7884, 8246..8356, 8247..8327, 8431..8508, 8683..8757, 8699..8755		
GI Descrip.	2529678 4.0e-42 (AC002535) unknown protein [Arabidopsis thaliana]		

Seq. No.	32920	Seq. ID	OJ991118_19.0223.C23
Gene No.	68306	Strand	-
Start	3161	End	4954
Name	OJ991118_19.0223.C23.o2.gs	Method	GENSCAN
Start	3161	End	4455
GI	none	Score	.93
Exons	3161..3202, 3293..3406, 4061..4197, 4323..4455		

Seq. No.	32920	Seq. ID	OJ991118_19.0223.C23

Gene No.	68306	Strand	-
Start	3161	End	4954
Name	OJ991118_19.0223.C23.o1.tc	Method	TBLASTX:Cress
Start	3236	End	4407
GI	none	Score	89
Exons	3236..3310, 3341..3370, 3371..3409, 3859..3948, 3860..3937, 3862..3939, 3863..3958, 4055..4198, 4068..4199, 4321..4407		

Seq. No.	32920	Seq. ID	OJ991118_19.0223.C23
Gene No.	68306	Strand	-
Start	3161	End	4954
Name	OJ991118_19.0223.C23.o1.tm	Method	TBLASTX:Maize
Start	3299	End	4954
GI	none	Score	49
Exons	3299..3358, 3300..3347, 3359..3409, 3360..3407, 3361..3417, 3862..3948, 3863..3934, 4047..4196, 4055..4237, 4058..4159, 4060..4182, 4321..4455, 4322..4456, 4325..4456, 4326..4466, 4327..4461, 4873..4953, 4889..4954		

Seq. No.	32921	Seq. ID	OJ991118_19.0223.C25
Gene No.	68307	Strand	+
Start	287	End	432
Name	OJ991118_19.0223.C25.o1.gs	Method	GENSCAN
Start	287	End	432
GI	none	Score	.72
Exons	287..432		

Seq. No.	32922	Seq. ID	OJ991208_12.0225.C3
Gene No.	68308	Strand	+
Start	1	End	836
Name	OJ991208_12.0225.C3.o1.np	Method	AAT/NAP
Start	1	End	836
GI	6498441	Score	839
Exons	1..63, 127..500, 684..836		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	32922	Seq. ID	OJ991208_12.0225.C3
Gene No.	68308	Strand	+
Start	1	End	836
Name	OJ991208_12.0225.C3.o1.tw	Method	TBLASTX:Wheat
Start	134	End	597
GI	none	Score	206
Exons	134..577, 135..596, 136..597		

Seq. No.	32922	Seq. ID	OJ991208_12.0225.C3
Gene No.	68308	Strand	+
Start	1	End	836
Name	OJ991208_12.0225.C3.o1.ts	Method	TBLASTX:Soybean
Start	175	End	540
GI	none	Score	117
Exons	175..399, 406..540		

Seq. No.	32922	Seq. ID	OJ991208_12.0225.C3
Gene No.	68308	Strand	+
Start	1	End	836

Name	OJ991208_12.0225.C3.o1.gs	Method	GENSCAN
Start	190	End	801
GI	none	Score	.94
Exons	190..801		

Seq. No.	32922	Seq. ID	OJ991208_12.0225.C3
Gene No.	68308	Strand	+
Start	1	End	836
Name	OJ991208_12.0225.C3.o1.tm	Method	TBLASTX:Maize
Start	265	End	621
GI	none	Score	392
Exons	265..621, 300..611, 316..621		

Seq. No.	32922	Seq. ID	OJ991208_12.0225.C3
Gene No.	68308	Strand	+
Start	1	End	836
Name	OJ991208_12.0225.C3.o2.tw	Method	TBLASTX:Wheat
Start	598	End	774
GI	none	Score	188
Exons	598..774, 618..773		

Seq. No.	32923	Seq. ID	OJ991208_12.0225.C4
Gene No.	68309	Strand	-
Start	1	End	833
Name	OJ991208_12.0225.C4.o1.np	Method	AAT/NAP
Start	1	End	833
GI	6742729	Score	658
Exons	1..833		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	32923	Seq. ID	OJ991208_12.0225.C4
Gene No.	68309	Strand	-
Start	1	End	833
Name	OJ991208_12.0225.C4.o1.tc	Method	TBLASTX:Cress
Start	5	End	303
GI	none	Score	123
Exons	5..49, 68..157, 153..299, 157..303		

Seq. No.	32923	Seq. ID	OJ991208_12.0225.C4
Gene No.	68309	Strand	-
Start	1	End	833
Name	OJ991208_12.0225.C4.o1.tw	Method	TBLASTX:Wheat
Start	5	End	590
GI	none	Score	55
Exons	5..49, 68..157, 69..164, 153..590, 157..546		

Seq. No.	32923	Seq. ID	OJ991208_12.0225.C4
Gene No.	68309	Strand	-
Start	1	End	833
Name	OJ991208_12.0225.C4.o1.tm	Method	TBLASTX:Maize
Start	201	End	686
GI	none	Score	70
Exons	201..686, 207..335		

Seq. No.	32923	Seq. ID	OJ991208_12.0225.C4
Gene No.	68309	Strand	-
Start	1	End	833

Name	OJ991208_12.0225.C4.o1.ts	Method	TBLASTX:Soybean
Start	246	End	629
GI	none	Score	68
Exons	246..491, 247..357, 501..629		

Seq. No.	32924	Seq. ID	OJ991208_12.0225.C5
Gene No.	68310	Strand	+
Start	2625	End	13394
Name	OJ991208_12.0225.C5.o3.np	Method	AAT/NAP
Start	2625	End	13394
GI	5091523	Score	165
Exons	2625..2679, 3638..3793, 4866..5099, 5248..5547, 13127..13394		
GI Descrip.	(AB023482) Similar to Gallus gallus mRNA for attachment region binding protein (ARBP).(Y14166) [Oryza sativa]		

Seq. No.	32924	Seq. ID	OJ991208_12.0225.C5
Gene No.	68310	Strand	+
Start	2625	End	13394
Name	OJ991208_12.0225.C5.o2.np	Method	AAT/NAP
Start	4623	End	5752
GI	3928543	Score	62
Exons	4623..4807, 5650..5752		
GI Descrip.	(AB016819) UDP-glucose glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	32924	Seq. ID	OJ991208_12.0225.C5
Gene No.	68310	Strand	+
Start	2625	End	13394
Name	OJ991208_12.0225.C5.o2.gs	Method	GENSCAN
Start	4715	End	5530
GI	none	Score	.45
Exons	4715..4851, 5017..5530		

Seq. No.	32924	Seq. ID	OJ991208_12.0225.C5
Gene No.	68311	Strand	-
Start	1	End	3926
Name	OJ991208_12.0225.C5.o1.np	Method	AAT/NAP
Start	1	End	834
GI	4680203	Score	464
Exons	1..834		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	32924	Seq. ID	OJ991208_12.0225.C5
Gene No.	68311	Strand	-
Start	1	End	3926
Name	OJ991208_12.0225.C5.o1.gs	Method	GENSCAN
Start	16	End	3926
GI	none	Score	.53
Exons	16..838, 3716..3926		

Seq. No.	32924	Seq. ID	OJ991208_12.0225.C5
Gene No.	68312	Strand	-
Start	6034	End	13557
Name	OJ991208_12.0225.C5.o1.tw	Method	TBLASTX:Wheat
Start	1	End	455
GI	none	Score	47
Exons	1..54, 3..50, 63..455, 64..246, 331..390		

Seq. No.	32924	Seq. ID	OJ991208_12.0225.C5
Gene No.	68312	Strand	-
Start	6034	End	13557
Name	OJ991208_12.0225.C5.o1.ts	Method	TBLASTX:Soybean
Start	70	End	407
GI	none	Score	190
Exons	70..354, 72..353, 121..375, 352..402, 360..407		

Seq. No.	32924	Seq. ID	OJ991208_12.0225.C5
Gene No.	68312	Strand	-
Start	6034	End	13557
Name	OJ991208_12.0225.C5.o3.gs	Method	GENSCAN
Start	6034	End	13557
GI	none	Score	.51
Exons	6034..6080, 6777..6878, 6910..6932, 7183..7317, 7359..7395, 10339..10400, 10607..10737, 12147..12189, 13092..13346, 13400..13557		

Seq. No.	32925	Seq. ID	OJ991208_12.0225.C6
Gene No.	68313	Strand	+
Start	320	End	526
Name	OJ991208_12.0225.C6.o1.gs	Method	GENSCAN
Start	320	End	526
GI	none	Score	.66
Exons	320..433, 478..526		

Seq. No.	32926	Seq. ID	OJ991208_12.0225.C7
Gene No.	68314	Strand	-
Start	180	End	252
Name	OJ991208_12.0225.C7.o1.gs	Method	GENSCAN
Start	180	End	252
GI	none	Score	.85
Exons	180..252		

Seq. No.	32927	Seq. ID	OJ991208_12.0225.C8
Gene No.	68315	Strand	+
Start	28	End	693
Name	OJ991208_12.0225.C8.o1.gs	Method	GENSCAN
Start	28	End	693
GI	none	Score	.92
Exons	28..693		

Seq. No.	32928	Seq. ID	OJ991208_12.0225.C9
Gene No.	68316	Strand	-
Start	674	End	1309
Name	OJ991208_12.0225.C9.o1.gs	Method	GENSCAN
Start	674	End	1309
GI	none	Score	.52
Exons	674..844, 1196..1309		

Seq. No.	32929	Seq. ID	OJ991208_12.0225.C11
Gene No.	68317	Strand	-
Start	300	End	5178
Name	OJ991208_12.0225.C11.o1.gs	Method	GENSCAN
Start	300	End	5178
GI	none	Score	.61

Exons	300..416, 502..790, 873..1043, 1122..1455, 1786..2008, 2095..2406, 2920..3167, 3175..3278, 3331..3356, 3866..4250, 4375..4450, 5106..5178		
Seq. No.	32929	Seq. ID	OJ991208_12.0225.C11
Gene No.	68317	Strand	-
Start	300	End	5178
Name	OJ991208_12.0225.C11.o1.np	Method	AAT/NAP
Start	3898	End	4149
GI	4680204	Score	72
Exons	3898..4149		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	32930	Seq. ID	OJ991208_12.0225.C12
Gene No.	68318	Strand	-
Start	387	End	719
Name	OJ991208_12.0225.C12.o1.np	Method	AAT/NAP
Start	363	End	719
GI	4680203	Score	124
Exons	363..719		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	32930	Seq. ID	OJ991208_12.0225.C12
Gene No.	68318	Strand	-
Start	387	End	719
Name	OJ991208_12.0225.C12.o1.gs	Method	GENSCAN
Start	387	End	599
GI	none	Score	.4
Exons	387..599		

Seq. No.	32930	Seq. ID	OJ991208_12.0225.C12
Gene No.	68318	Strand	-
Start	387	End	719
Name	OJ991208_12.0225.C12.o1.ts	Method	TBLASTX:Soybean
Start	504	End	719
GI	none	Score	79
Exons	504..719, 568..690		

Seq. No.	32931	Seq. ID	OJ991208_12.0225.C13
Gene No.	68319	Strand	+
Start	1	End	624
Name	OJ991208_12.0225.C13.o1.np	Method	AAT/NAP
Start	1	End	624
GI	6539580	Score	387
Exons	1..345, 441..624		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	32931	Seq. ID	OJ991208_12.0225.C13
Gene No.	68319	Strand	+
Start	1	End	624
Name	OJ991208_12.0225.C13.o1.gs	Method	GENSCAN
Start	7	End	613
GI	none	Score	.93
Exons	7..345, 441..613		

Seq. No.	32932	Seq. ID	OJ991208_12.0225.C14
Gene No.	68320	Strand	+

Start	111	End	300
Name	OJ991208_12.0225.C14.o1.gs	Method	GENSCAN
Start	111	End	300
GI	none	Score	.7
Exons	111..300		

Seq. No.	32933	Seq. ID	OJ991208_12.0225.C16
Gene No.	68321	Strand	-
Start	3271	End	5350
Name	OJ991208_12.0225.C16.o1.np	Method	AAT/NAP
Start	3271	End	5350
GI	6721512	Score	63
Exons	3271..3297, 4702..4859, 4887..4978, 5273..5350		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32934	Seq. ID	OJ991208_12.0225.C17
Gene No.	68322	Strand	+
Start	1	End	91
Name	OJ991208_12.0225.C17.o1.gp	Method	AAT/GAP
Start	1	End	91
GI	83529_1.R1084	Score	125
Exons	1..91		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 6.0e-79 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	32934	Seq. ID	OJ991208_12.0225.C17
Gene No.	68323	Strand	+
Start	77	End	233
Name	OJ991208_12.0225.C17.o2.gp	Method	AAT/GAP
Start	77	End	233
GI	none	Score	207
Exons	77..233		

Seq. No.	32935	Seq. ID	OJ991208_12.0225.C20
Gene No.	68324	Strand	-
Start	1	End	780
Name	OJ991208_12.0225.C20.o1.np	Method	AAT/NAP
Start	1	End	780
GI	3047089	Score	220
Exons	1..36, 223..355, 485..641, 744..780		
GI Descrip.	(AF058826) contains similarity to pseudouridylate synthases [Arabidopsis thaliana]		

Seq. No.	32935	Seq. ID	OJ991208_12.0225.C20
Gene No.	68324	Strand	-
Start	1	End	780
Name	OJ991208_12.0225.C20.o1.gs	Method	GENSCAN
Start	210	End	697
GI	none	Score	.6
Exons	210..355, 485..697		

Seq. No.	32936	Seq. ID	OJ991208_12.0225.C21
Gene No.	68325	Strand	-
Start	492	End	796
Name	OJ991208_12.0225.C21.o1.gs	Method	GENSCAN
Start	492	End	727
GI	none	Score	.9

Exons	492..727		
Seq. No.	32936	Seq. ID	OJ991208_12.0225.C21
Gene No.	68325	Strand	-
Start	492	End	796
Name	OJ991208_12.0225.C21.o1.np	Method	AAT/NAP
Start	495	End	796
GI	5803259	Score	416
Exons	495..796		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	32937	Seq. ID	OJ991208_12.0225.C22
Gene No.	68326	Strand	-
Start	202	End	376
Name	OJ991208_12.0225.C22.o1.gs	Method	GENSCAN
Start	202	End	376
GI	none	Score	.88
Exons	202..376		
Seq. No.	32938	Seq. ID	OJ991208_12.0225.C23
Gene No.	68327	Strand	+
Start	507	End	575
Name	OJ991208_12.0225.C23.o1.gs	Method	GENSCAN
Start	507	End	575
GI	none	Score	.86
Exons	507..575		
Seq. No.	32939	Seq. ID	OJ991208_12.0225.C25
Gene No.	68328	Strand	-
Start	1	End	812
Name	OJ991208_12.0225.C25.o1.np	Method	AAT/NAP
Start	1	End	812
GI	5803259	Score	703
Exons	1..583, 677..812		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	32939	Seq. ID	OJ991208_12.0225.C25
Gene No.	68328	Strand	-
Start	1	End	812
Name	OJ991208_12.0225.C25.o1.gs	Method	GENSCAN
Start	35	End	583
GI	none	Score	.71
Exons	35..288, 323..583		
Seq. No.	32940	Seq. ID	OJ991208_12.0225.C26
Gene No.	68329	Strand	-
Start	1469	End	1610
Name	OJ991208_12.0225.C26.o1.gs	Method	GENSCAN
Start	1469	End	1610
GI	none	Score	.61
Exons	1469..1610		
Seq. No.	32941	Seq. ID	OJ991208_12.0225.C27
Gene No.	68330	Strand	+
Start	1	End	801
Name	OJ991208_12.0225.C27.o1.np	Method	AAT/NAP
Start	1	End	801

GI	6498441	Score	1090
Exons	1..639, 734..801		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	32941	Seq. ID	OJ991208_12.0225.C27
Gene No.	68330	Strand	+
Start	1	End	801
Name	OJ991208_12.0225.C27.o1.tw	Method	TBLASTX:Wheat
Start	31	End	399
GI	none	Score	360
Exons	31..399, 120..368		

Seq. No.	32941	Seq. ID	OJ991208_12.0225.C27
Gene No.	68330	Strand	+
Start	1	End	801
Name	OJ991208_12.0225.C27.o1.tm	Method	TBLASTX:Maize
Start	40	End	417
GI	none	Score	193
Exons	40..270, 43..306, 304..417, 324..371		

Seq. No.	32941	Seq. ID	OJ991208_12.0225.C27
Gene No.	68330	Strand	+
Start	1	End	801
Name	OJ991208_12.0225.C27.o1.gs	Method	GENSCAN
Start	50	End	662
GI	none	Score	.45
Exons	50..662		

Seq. No.	32941	Seq. ID	OJ991208_12.0225.C27
Gene No.	68330	Strand	+
Start	1	End	801
Name	OJ991208_12.0225.C27.o2.tw	Method	TBLASTX:Wheat
Start	400	End	741
GI	none	Score	289
Exons	400..741, 405..683		

Seq. No.	32942	Seq. ID	OJ991208_12.0225.C28
Gene No.	68331	Strand	+
Start	1	End	190
Name	OJ991208_12.0225.C28.o1.np	Method	AAT/NAP
Start	1	End	190
GI	3805765	Score	147
Exons	1..190		
GI Descrip.	(AC005693) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	32942	Seq. ID	OJ991208_12.0225.C28
Gene No.	68332	Strand	-
Start	199	End	250
Name	OJ991208_12.0225.C28.o1.tc	Method	TBLASTX:Cress
Start	52	End	190
GI	none	Score	176
Exons	52..162, 53..190		

Seq. No.	32942	Seq. ID	OJ991208_12.0225.C28
Gene No.	68332	Strand	-

Start	199	End	250
Name	OJ991208_12.0225.C28.o1.tm	Method	TBLASTX:Maize
Start	52	End	190
GI	none	Score	179
Exons	52..162, 53..190		

Seq. No.	32942	Seq. ID	OJ991208_12.0225.C28
Gene No.	68332	Strand	-
Start	199	End	250
Name	OJ991208_12.0225.C28.o1.gs	Method	GENSCAN
Start	199	End	250
GI	none	Score	.69
Exons	199..250		

Seq. No.	32943	Seq. ID	OJ991208_12.0225.C29
Gene No.	68333	Strand	-
Start	590	End	795
Name	OJ991208_12.0225.C29.o1.gs	Method	GENSCAN
Start	590	End	795
GI	none	Score	.72
Exons	590..691, 760..795		

Seq. No.	32944	Seq. ID	OJ991208_12.0225.C30
Gene No.	68334	Strand	+
Start	485	End	616
Name	OJ991208_12.0225.C30.o1.gs	Method	GENSCAN
Start	485	End	616
GI	none	Score	.4
Exons	485..616		

Seq. No.	32945	Seq. ID	OJ991208_12.0225.C31
Gene No.	68335	Strand	+
Start	10096	End	10941
Name	OJ991208_12.0225.C31.o2.gs	Method	GENSCAN
Start	10096	End	10941
GI	none	Score	.97
Exons	10096..10941		

Seq. No.	32945	Seq. ID	OJ991208_12.0225.C31
Gene No.	68336	Strand	-
Start	1	End	14263
Name	OJ991208_12.0225.C31.o1.np	Method	AAT/NAP
Start	1	End	14263
GI	4680199	Score	496
Exons	1..30, 2171..2257, 2333..2882, 6691..6718, 14216..14263		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	32945	Seq. ID	OJ991208_12.0225.C31
Gene No.	68336	Strand	-
Start	1	End	14263
Name	OJ991208_12.0225.C31.o2.np	Method	AAT/NAP
Start	1	End	11029
GI	6681183	Score	50
Exons	1..24, 7003..7128, 7219..7281, 10648..11029		
GI Descrip.	diaphanous homolog 1 (Drosophila) gi|6014968|sp|O08808|DIA1_MOUSE DIAPHANOUS PROTEIN HOMOLOG 1 (P140MDIA) gi|2114473 (U96963) p140mDia [Mus musculus]		

Seq. No.	32945	Seq. ID	OJ991208_12.0225.C31
Gene No.	68336	Strand	-
Start	1	End	14263
Name	OJ991208_12.0225.C31.o1.gs	Method	GENSCAN
Start	2169	End	7941
GI	none	Score	.58
Exons	2169..2257, 2333..3119, 3406..3489, 3669..3884, 3924..3998, 4081..4386, 4778..4983, 5140..5490, 6860..6886, 7264..7575, 7797..7941		

Seq. No.	32945	Seq. ID	OJ991208_12.0225.C31
Gene No.	68336	Strand	-
Start	1	End	14263
Name	OJ991208_12.0225.C31.o1.ts	Method	TBLASTX:Soybean
Start	2178	End	2595
GI	none	Score	54
Exons	2178..2258, 2182..2259, 2331..2585, 2332..2469, 2530..2595		

Seq. No.	32945	Seq. ID	OJ991208_12.0225.C31
Gene No.	68336	Strand	-
Start	1	End	14263
Name	OJ991208_12.0225.C31.o1.tm	Method	TBLASTX:Maize
Start	2181	End	2630
GI	none	Score	64
Exons	2181..2258, 2182..2262, 2358..2630, 2374..2478, 2394..2624		

Seq. No.	32945	Seq. ID	OJ991208_12.0225.C31
Gene No.	68336	Strand	-
Start	1	End	14263
Name	OJ991208_12.0225.C31.o1.tw	Method	TBLASTX:Wheat
Start	2331	End	2696
GI	none	Score	116
Exons	2331..2645, 2331..2696		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68337	Strand	+
Start	1198	End	4524
Name	OJ991208_12.0225.C32.o1.np	Method	AAT/NAP
Start	1198	End	4503
GI	4680203	Score	3146
Exons	1198..2864, 3018..3248, 3525..4503		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor].		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68337	Strand	+
Start	1198	End	4524
Name	OJ991208_12.0225.C32.o1.gs	Method	GENSCAN
Start	1429	End	4524
GI	none	Score	.72
Exons	1429..2575, 2633..2767, 2929..3078, 3424..3564, 3584..3790, 3935..4524		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68338	Strand	+
Start	5520	End	6153
Name	OJ991208_12.0225.C32.o2.gs	Method	GENSCAN

Start	5520	End	6153
GI	none	Score	.64
Exons	5520..5530, 5617..5760, 5829..6153		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68339	Strand	+
Start	7429	End	8001
Name	OJ991208_12.0225.C32.o3.gs	Method	GENSCAN
Start	7429	End	8001
GI	none	Score	.99
Exons	7429..8001		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68340	Strand	+
Start	10168	End	11740
Name	OJ991208_12.0225.C32.o5.gs	Method	GENSCAN
Start	10168	End	11740
GI	none	Score	.41
Exons	10168..10233, 11234..11740		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68341	Strand	+
Start	13432	End	16621
Name	OJ991208_12.0225.C32.o3.np	Method	AAT/NAP
Start	13432	End	16618
GI	6907089	Score	4227
Exons	13432..14693, 14791..16618		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68341	Strand	+
Start	13432	End	16621
Name	OJ991208_12.0225.C32.o6.gs	Method	GENSCAN
Start	13432	End	16621
GI	none	Score	.96
Exons	13432..14693, 14791..16621		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68342	Strand	-
Start	1196	End	15119
Name	OJ991208_12.0225.C32.o1.gp	Method	AAT/GAP
Start	1196	End	5285
GI	342_1.R1084	Score	5879
Exons	1196..4611, 4682..4788, 4987..5285		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68342	Strand	-
Start	1196	End	15119
Name	OJ991208_12.0225.C32.o2.gp	Method	AAT/GAP
Start	1196	End	5287
GI	342_1.R1084	Score	5882
Exons	1196..4611, 4682..4788, 4987..5287		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68342	Strand	-
Start	1196	End	15119
Name	OJ991208_12.0225.C32.o2.np	Method	AAT/NAP
Start	1297	End	15119
GI	5852180	Score	693
Exons	1297..1375, 2894..2972, 7989..8027, 8727..9138, 9190..9306, 10387..10436, 15007..15119		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68342	Strand	-
Start	1196	End	15119
Name	OJ991208_12.0225.C32.o4.gs	Method	GENSCAN
Start	8578	End	9630
GI	none	Score	.61
Exons	8578..9184, 9190..9306, 9464..9630		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o7.tw	Method	TBLASTX:Wheat
Start	1498	End	1894
GI	none	Score	93
Exons	1498..1650, 1544..1636, 1633..1884, 1641..1883, 1644..1886, 1652..1894		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o2.ts	Method	TBLASTX:Soybean
Start	1816	End	2244
GI	none	Score	99
Exons	1816..1890, 1891..1953, 1948..2244, 2095..2226		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o1.tc	Method	TBLASTX:Cress
Start	1984	End	2325
GI	none	Score	281
Exons	1984..2325, 2178..2306		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o3.tw	Method	TBLASTX:Wheat
Start	2113	End	2579
GI	none	Score	76
Exons	2113..2169, 2113..2157, 2121..2165, 2166..2267, 2167..2271, 2275..2373, 2278..2373, 2280..2381, 2283..2375, 2353..2577, 2373..2579, 2376..2537		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o4.tm	Method	TBLASTX:Maize

Start	2160	End	2571
GI	none	Score	231
Exons	2160..2411, 2170..2412, 2422..2571		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o9.tw	Method	TBLASTX:Wheat
Start	2718	End	3125
GI	none	Score	74
Exons	2718..2768, 2719..2781, 2787..2819, 2791..2832, 2813..2965, 2813..2971, 2814..3011, 2815..3012, 3041..3124, 3044..3124, 3045..3125		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o5.tm	Method	TBLASTX:Maize
Start	3108	End	3488
GI	none	Score	42
Exons	3108..3158, 3174..3488, 3185..3460		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o1.tw	Method	TBLASTX:Wheat
Start	3126	End	4449
GI	none	Score	553
Exons	3126..3311, 3131..3547, 3132..3548, 3543..3581, 3556..4017, 3617..4018, 3636..4034, 3646..4050, 4025..4090, 4044..4085, 4045..4089, 4092..4187, 4096..4155, 4134..4274, 4135..4263, 4147..4281, 4164..4283, 4288..4368, 4357..4449		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o2.tc	Method	TBLASTX:Cress
Start	3419	End	3867
GI	none	Score	89
Exons	3419..3538, 3419..3547, 3423..3548, 3556..3867, 3646..3867		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o11.tw	Method	TBLASTX:Wheat
Start	11315	End	11716
GI	none	Score	207
Exons	11315..11545, 11315..11509, 11371..11544, 11552..11716, 11599..11715, 11621..11716		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o7.gs	Method	GENSCAN
Start	17256	End	23980
GI	none	Score	.59
Exons	17256..17823, 17982..20983, 21047..23428, 23484..23693,		

23924..23980

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o4.np	Method	AAT/NAP
Start	17259	End	22905
GI	6498441	Score	6826
Exons	17259..17540, 17634..19030, 19202..19686, 19879..20117, 20292..20426, 20610..20983, 21047..21510, 21841..22905		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o12.tw	Method	TBLASTX:Wheat
Start	17268	End	17869
GI	none	Score	78
Exons	17268..17393, 17272..17394, 17454..17822, 17579..17830, 17586..17846, 17587..17844, 17839..17868, 17849..17869		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o6.tw	Method	TBLASTX:Wheat
Start	17870	End	18251
GI	none	Score	168
Exons	17870..18250, 17901..18149, 17996..18247, 18195..18251		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o2.tm	Method	TBLASTX:Maize
Start	18065	End	18388
GI	none	Score	198
Exons	18065..18388, 18078..18359		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o13.tw	Method	TBLASTX:Wheat
Start	18581	End	18893
GI	none	Score	80
Exons	18581..18841, 18692..18880, 18717..18893		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o3.ts	Method	TBLASTX:Soybean
Start	18641	End	19207
GI	5666795	Score	68
Exons	18641..18841, 18896..19033, 19109..19207		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32

Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o8.tw	Method	TBLASTX:Wheat
Start	18896	End	22356
GI	none	Score	92
Exons	18896..19045, 18897..19034, 19092..19265, 19109..19330, 19133..19354, 22303..22356		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o1.ts	Method	TBLASTX:Soybean
Start	19955	End	20323
GI	none	Score	90
Exons	19955..20323, 20166..20309		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o4.tw	Method	TBLASTX:Wheat
Start	19980	End	20404
GI	none	Score	283
Exons	19980..20306, 19985..20404		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o3.tm	Method	TBLASTX:Maize
Start	20078	End	20462
GI	none	Score	166
Exons	20078..20461, 20097..20318, 20376..20462		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o1.tm	Method	TBLASTX:Maize
Start	20489	End	20845
GI	none	Score	67
Exons	20489..20605, 20489..20845, 20499..20810		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o2.tw	Method	TBLASTX:Wheat
Start	20513	End	20975
GI	none	Score	392
Exons	20513..20974, 20514..20975		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o4.ts	Method	TBLASTX:Soybean
Start	20570	End	20935
GI	none	Score	117
Exons	20570..20704, 20711..20935		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32

Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o5.tw	Method	TBLASTX:Wheat
Start	21140	End	21626
GI	none	Score	175
Exons	21140..21625, 21171..21431, 21197..21625, 21453..21626		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o10.tw	Method	TBLASTX:Wheat
Start	22364	End	22756
GI	none	Score	79
Exons	22364..22621, 22476..22637, 22604..22702, 22605..22685, 22709..22756		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o6.tm	Method	TBLASTX:Maize
Start	22466	End	22751
GI	none	Score	85
Exons	22466..22714, 22467..22751		

Seq. No.	32946	Seq. ID	OJ991208_12.0225.C32
Gene No.	68343	Strand	-
Start	17256	End	24024
Name	OJ991208_12.0225.C32.o5.np	Method	AAT/NAP
Start	23640	End	24024
GI	5042454	Score	178
Exons	23640..23693, 23924..24024		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	32947	Seq. ID	OJ991208_12.0225.C33
Gene No.	68344	Strand	+
Start	5321	End	6724
Name	OJ991208_12.0225.C33.o3.gs	Method	GENSCAN
Start	5321	End	6724
GI	none	Score	.69
Exons	5321..5451, 5935..6160, 6488..6724		

Seq. No.	32947	Seq. ID	OJ991208_12.0225.C33
Gene No.	68345	Strand	+
Start	9202	End	11292
Name	OJ991208_12.0225.C33.o2.np	Method	AAT/NAP
Start	9202	End	11292
GI	4966343	Score	312
Exons	9202..9313, 9463..9605, 10902..11292		
GI Descrip.	(AC006341) Is a member of PF|00481 Protein phosphatase 2C family. [Arabidopsis thaliana]		

Seq. No.	32947	Seq. ID	OJ991208_12.0225.C33
Gene No.	68345	Strand	+
Start	9202	End	11292
Name	OJ991208_12.0225.C33.o1.gp	Method	AAT/GAP
Start	11074	End	11292
GI	18055_1.R1084	Score	354

Exons	11074..11292		
GI Descrip.	'4966343/gb|AAD34674.1|AC006341_2 9.0e-73 (AC006341) Is a member of PF_00481 Protein phosphatase 2C family. [Arabidopsis thaliana]'		

Seq. No.	32947	Seq. ID	OJ991208_12.0225.C33
Gene No.	68346	Strand	-
Start	2346	End	4648
Name	OJ991208_12.0225.C33.o2.gs	Method	GENSCAN
Start	2346	End	4648
GI	none	Score	.87
Exons	2346..2447, 2709..2843, 3552..3653, 4298..4389, 4582..4648		

Seq. No.	32947	Seq. ID	OJ991208_12.0225.C33
Gene No.	68347	Strand	-
Start	6891	End	9629
Name	OJ991208_12.0225.C33.o4.gs	Method	GENSCAN
Start	6891	End	9629
GI	none	Score	.46
Exons	6891..7000, 9089..9629		

Seq. No.	32947	Seq. ID	OJ991208_12.0225.C33
Gene No.	68348	Strand	
Start	9549	End	11283
Name	OJ991208_12.0225.C33.o1.ts	Method	TBLASTX:Soybean
Start	9549	End	11020
GI	none	Score	77
Exons	9549..9605, 10896..11018, 10901..11020		

Seq. No.	32947	Seq. ID	OJ991208_12.0225.C33
Gene No.	68348	Strand	
Start	9549	End	11283
Name	OJ991208_12.0225.C33.o1.tm	Method	TBLASTX:Maize
Start	9552	End	11283
GI	none	Score	69
Exons	9552..9605, 10894..11250, 10896..11276, 10899..11015, 10900..11034, 10901..11152, 11058..11276, 11173..11283		

Seq. No.	32948	Seq. ID	OJ991208_12.0225.C34
Gene No.	68349	Strand	+
Start	1	End	3781
Name	OJ991208_12.0225.C34.o1.np	Method	AAT/NAP
Start	1	End	3781
GI	6728987	Score	417
Exons	1..27, 1875..2114, 2238..2418, 3718..3781		
GI Descrip.	(AC018363) putative protein phosphatase-2C (PP2C) [Arabidopsis thaliana]		

Seq. No.	32948	Seq. ID	OJ991208_12.0225.C34
Gene No.	68349	Strand	+
Start	1	End	3781
Name	OJ991208_12.0225.C34.o1.gp	Method	AAT/GAP
Start	1402	End	2375
GI	18055_1.R1084	Score	683
Exons	1402..1427, 1867..2114, 2238..2375		
GI Descrip.	'4966343/gb|AAD34674.1|AC006341_2 9.0e-73 (AC006341) Is a member of PF_00481 Protein phosphatase 2C family. [Arabidopsis		

thaliana]'

Seq. No.	32948	Seq. ID	OJ991208_12.0225.C34
Gene No.	68349	Strand	+
Start	1	End	3781
Name	OJ991208_12.0225.C34.o1.gs	Method	GENSCAN
Start	1881	End	2486
GI	none	Score	.75
Exons	1881..2114, 2238..2486		

Seq. No.	32948	Seq. ID	OJ991208_12.0225.C34
Gene No.	68350	Strand	+
Start	5990	End	7361
Name	OJ991208_12.0225.C34.o4.gs	Method	GENSCAN
Start	5990	End	6383
GI	none	Score	.86
Exons	5990..6159, 6238..6383		

Seq. No.	32948	Seq. ID	OJ991208_12.0225.C34
Gene No.	68350	Strand	+
Start	5990	End	7361
Name	OJ991208_12.0225.C34.o2.np	Method	AAT/NAP
Start	5998	End	7361
GI	2815493	Score	316
Exons	5998..6159, 6238..6383, 6494..6583, 7235..7361		
GI Descrip.	SERINE CARBOXYPEPTIDASE I PRECURSOR (CARBOXYPEPTIDASE C) (CP-MI) gi|1731988|emb|CAA70816| (Y09603) serine carboxypeptidase I, CP-MI [Hordeum vulgare]		

Seq. No.	32948	Seq. ID	OJ991208_12.0225.C34
Gene No.	68351	Strand	-
Start	3058	End	3505
Name	OJ991208_12.0225.C34.o2.gs	Method	GENSCAN
Start	3058	End	3505
GI	none	Score	.77
Exons	3058..3177, 3428..3505		

Seq. No.	32948	Seq. ID	OJ991208_12.0225.C34
Gene No.	68352	Strand	-
Start	4239	End	5056
Name	OJ991208_12.0225.C34.o1.ts	Method	TBLASTX:Soybean
Start	1888	End	2402
GI	none	Score	73
Exons	1888..2049, 1892..2116, 1893..2117, 2238..2402, 2300..2398		

Seq. No.	32948	Seq. ID	OJ991208_12.0225.C34
Gene No.	68352	Strand	-
Start	4239	End	5056
Name	OJ991208_12.0225.C34.o1.tm	Method	TBLASTX:Maize
Start	1892	End	2475
GI	none	Score	345
Exons	1892..2116, 1893..2117, 2236..2406, 2238..2465, 2242..2475, 2285..2464		

Seq. No.	32948	Seq. ID	OJ991208_12.0225.C34
Gene No.	68352	Strand	-
Start	4239	End	5056

Name	OJ991208_12.0225.C34.o2.tc	Method	TBLASTX:Cress
Start	1892	End	2117
GI	none	Score	263
Exons	1892..2092, 1893..2093, 2079..2117		

Seq. No.	32948	Seq. ID	OJ991208_12.0225.C34
Gene No.	68352	Strand	-
Start	4239	End	5056
Name	OJ991208_12.0225.C34.o1.tw	Method	TBLASTX:Wheat
Start	1988	End	2402
GI	none	Score	167
Exons	1988..2116, 1989..2117, 2238..2402		

Seq. No.	32948	Seq. ID	OJ991208_12.0225.C34
Gene No.	68352	Strand	-
Start	4239	End	5056
Name	OJ991208_12.0225.C34.o3.gs	Method	GENSCAN
Start	4239	End	5056
GI	none	Score	.6
Exons	4239..4309, 4960..5056		

Seq. No.	32948	Seq. ID	OJ991208_12.0225.C34
Gene No.	68353	Strand	
Start	6101	End	6573
Name	OJ991208_12.0225.C34.o2.tw	Method	TBLASTX:Wheat
Start	6101	End	6396
GI	none	Score	86
Exons	6101..6169, 6103..6162, 6236..6388, 6238..6396, 6251..6385		

Seq. No.	32948	Seq. ID	OJ991208_12.0225.C34
Gene No.	68353	Strand	
Start	6101	End	6573
Name	OJ991208_12.0225.C34.o1.tc	Method	TBLASTX:Cress
Start	6103	End	6573
GI	none	Score	86
Exons	6103..6165, 6104..6169, 6238..6390, 6251..6385, 6481..6573, 6492..6572		

Seq. No.	32948	Seq. ID	OJ991208_12.0225.C34
Gene No.	68353	Strand	
Start	6101	End	6573
Name	OJ991208_12.0225.C34.o2.ts	Method	TBLASTX:Soybean
Start	6103	End	6573
GI	none	Score	81
Exons	6103..6162, 6104..6169, 6259..6390, 6260..6385, 6263..6397, 6481..6573, 6492..6572		

Seq. No.	32949	Seq. ID	OJ991208_12.0225.C35
Gene No.	68354	Strand	+
Start	299	End	3378
Name	OJ991208_12.0225.C35.o1.np	Method	AAT/NAP
Start	299	End	3353
GI	584892	Score	977
Exons	299..444, 525..627, 708..745, 845..946, 1144..1224, 1312..1565, 1731..1794, 1900..2024, 2617..2730, 2972..3017, 3273..3353		
GI Descrip.	SERINE CARBOXYPEPTIDASE I PRECURSOR (CARBOXYPEPTIDASE C) gi|629805|pir||S43516 serine carboxypeptidase I - rice		

gi|409580|dbj|BAA04510.1| (D17586) serine carboxypeptidase I [Oryza sativa]

Seq. No.	32949	Seq. ID	OJ991208_12.0225.C35
Gene No.	68354	Strand	+
Start	299	End	3378
Name	OJ991208_12.0225.C35.o1.gs	Method	GENSCAN
Start	322	End	3378
GI	none	Score	.93
Exons	322..444, 1312..1551, 1729..1794, 1900..2024, 2617..2730, 2972..3017, 3113..3215, 3221..3378		

Seq. No.	32949	Seq. ID	OJ991208_12.0225.C35
Gene No.	68354	Strand	+
Start	299	End	3378
Name	OJ991208_12.0225.C35.o1.gp	Method	AAT/GAP
Start	820	End	1195
GI	LIB3434-028-P1-K1-D3	Score	264
Exons	820..946, 1144..1195		
GI Descrip.	'584892/sp|P37890|CBP1_ORYSA 8.0e-17 SERINE CARBOXYPEPTIDASE I PRECURSOR (CARBOXYPEPTIDASE C) >gi_629805_pir__S43516 serine carboxypeptidase I - rice >gi_409580_dbj_BAA04510_ (D17586) serine carboxypeptidase I [Oryza sativa]'		

Seq. No.	32949	Seq. ID	OJ991208_12.0225.C35
Gene No.	68354	Strand	+
Start	299	End	3378
Name	OJ991208_12.0225.C35.o2.gp	Method	AAT/GAP
Start	962	End	1392
GI	LIB3434-028-P1-K1-D3	Score	241
Exons	962..996, 1135..1224, 1312..1392		
GI Descrip.	'584892/sp|P37890|CBP1_ORYSA 8.0e-17 SERINE CARBOXYPEPTIDASE I PRECURSOR (CARBOXYPEPTIDASE C) >gi_629805_pir__S43516 serine carboxypeptidase I - rice >gi_409580_dbj_BAA04510_ (D17586) serine carboxypeptidase I [Oryza sativa]'		

Seq. No.	32949	Seq. ID	OJ991208_12.0225.C35
Gene No.	68354	Strand	+
Start	299	End	3378
Name	OJ991208_12.0225.C35.o3.gp	Method	AAT/GAP
Start	1325	End	1945
GI	64779_1.R1084	Score	595
Exons	1325..1551, 1729..1794, 1900..1945		
GI Descrip.	'167012 2.0e-27 (J03897) carboxypeptidase I precursor [Hordeum vulgare]'		

Seq. No.	32949	Seq. ID	OJ991208_12.0225.C35
Gene No.	68354	Strand	+
Start	299	End	3378
Name	OJ991208_12.0225.C35.o4.gp	Method	AAT/GAP
Start	2615	End	2984
GI	702585	Score	725
Exons	2615..2984		
GI Descrip.	584892/sp|P37890|CBP1_ORYSA 3.0e-14 SERINE CARBOXYPEPTIDASE I PRECURSOR (CARBOXYPEPTIDASE C) >gi_629805_pir__S43516 serine carboxypeptidase I - rice >gi_409580_dbj_BAA04510_ (D17586) serine carboxypeptidase I [Oryza sativa]		

Seq. No.	32949	Seq. ID	OJ991208_12.0225.C35
Gene No.	68355	Strand	-
Start	3917	End	6256
Name	OJ991208_12.0225.C35.o2.tc	Method	TBLASTX:Cress
Start	307	End	1527
GI	none	Score	171
Exons	307..444, 321..440, 516..629, 516..620, 524..628, 680..745, 835..945, 839..946, 843..995, 1141..1221, 1311..1358, 1312..1392, 1374..1502, 1384..1527		

Seq. No.	32949	Seq. ID	OJ991208_12.0225.C35
Gene No.	68355	Strand	-
Start	3917	End	6256
Name	OJ991208_12.0225.C35.o3.ts	Method	TBLASTX:Soybean
Start	307	End	1797
GI	none	Score	168
Exons	307..444, 318..440, 516..629, 524..628, 830..946, 832..948, 838..948, 1305..1355, 1321..1527, 1392..1526, 1732..1797		

Seq. No.	32949	Seq. ID	OJ991208_12.0225.C35
Gene No.	68355	Strand	-
Start	3917	End	6256
Name	OJ991208_12.0225.C35.o2.tm	Method	TBLASTX:Maize
Start	307	End	3356
GI	none	Score	185
Exons	307..444, 318..443, 516..629, 516..632, 524..634, 679..744, 680..745, 830..958, 835..948, 1141..1224, 1143..1226, 1143..1226, 1307..1549, 1311..1550, 1311..1550, 1312..1551, 1447..1560, 1729..1794, 1732..1800, 1891..1986, 1899..1961, 1955..2023, 1966..2022, 2614..2733, 2615..2734, 2973..3017, 3264..3356, 3272..3349		

Seq. No.	32949	Seq. ID	OJ991208_12.0225.C35
Gene No.	68355	Strand	-
Start	3917	End	6256
Name	OJ991208_12.0225.C35.o2.gs	Method	GENSCAN
Start	3917	End	5939
GI	none	Score	.85
Exons	3917..3959, 4096..5939		

Seq. No.	32949	Seq. ID	OJ991208_12.0225.C35
Gene No.	68355	Strand	-
Start	3917	End	6256
Name	OJ991208_12.0225.C35.o1.tm	Method	TBLASTX:Maize
Start	4090	End	5943
GI	none	Score	69
Exons	4090..4173, 4091..4192, 4091..4327, 4152..4241, 4304..4396, 4307..4984, 4392..5858, 4444..4521, 4449..4970, 4597..5196, 4790..5503, 5242..5703, 5540..5857, 5901..5942, 5908..5943		

Seq. No.	32949	Seq. ID	OJ991208_12.0225.C35
Gene No.	68355	Strand	-
Start	3917	End	6256
Name	OJ991208_12.0225.C35.o2.np	Method	AAT/NAP
Start	4095	End	6256
GI	3600033	Score	2310

Exons	4095..6256		
GI Descrip.	(AF080119) contains similarity to the N terminal domain of the E1 protein (Pfam: E1_N.hmm, score: 12.36) [Arabidopsis thaliana]		

Seq. No.	32949	Seq. ID	OJ991208_12.0225.C35
Gene No.	68355	Strand	-
Start	3917	End	6256
Name	OJ991208_12.0225.C35.o5.gp	Method	AAT/GAP
Start	4107	End	4972
GI	22442_1.R1084	Score	1700
Exons	4107..4972		
GI Descrip.	'3600033 1.0e-92 (AF080119) contains similarity to the N terminal domain of the E1 protein (Pfam: E1_N.hmm, score: 12.36) [Arabidopsis thaliana]'		

Seq. No.	32949	Seq. ID	OJ991208_12.0225.C35
Gene No.	68355	Strand	-
Start	3917	End	6256
Name	OJ991208_12.0225.C35.o1.tc	Method	TBLASTX:Cress
Start	4149	End	4619
GI	none	Score	65
Exons	4149..4274, 4173..4238, 4319..4372, 4426..4581, 4440..4619, 4447..4512, 4449..4580		

Seq. No.	32949	Seq. ID	OJ991208_12.0225.C35
Gene No.	68355	Strand	-
Start	3917	End	6256
Name	OJ991208_12.0225.C35.o4.ts	Method	TBLASTX:Soybean
Start	4191	End	4574
GI	none	Score	50
Exons	4191..4238, 4193..4261, 4215..4274, 4307..4543, 4319..4408, 4363..4572, 4392..4574, 4447..4521, 4449..4574		

Seq. No.	32949	Seq. ID	OJ991208_12.0225.C35
Gene No.	68355	Strand	-
Start	3917	End	6256
Name	OJ991208_12.0225.C35.o1.ts	Method	TBLASTX:Soybean
Start	4575	End	5021
GI	none	Score	262
Exons	4575..4967, 4575..4925, 4588..4953, 4597..4992, 4727..5020, 4974..5021		

Seq. No.	32949	Seq. ID	OJ991208_12.0225.C35
Gene No.	68355	Strand	-
Start	3917	End	6256
Name	OJ991208_12.0225.C35.o2.ts	Method	TBLASTX:Soybean
Start	5124	End	5429
GI	none	Score	167
Exons	5124..5429, 5127..5429		

Seq. No.	32950	Seq. ID	OJ991208_12.0225.C36
Gene No.	68356	Strand	+
Start	2	End	639
Name	OJ991208_12.0225.C36.o1.gs	Method	GENSCAN
Start	2	End	639
GI	none	Score	.56
Exons	2..167, 440..639		

Seq. No.	32951	Seq. ID	OJ991208_12.0225.C39
Gene No.	68357	Strand	+
Start	1	End	103
Name	OJ991208_12.0225.C39.o1.gp	Method	AAT/GAP
Start	1	End	103
GI	none	Score	121
Exons	1..103		

Seq. No.	32952	Seq. ID	OJ991208_12.0225.C40
Gene No.	68358	Strand	+
Start	1	End	305
Name	OJ991208_12.0225.C40.o1.gp	Method	AAT/GAP
Start	1	End	305
GI	29330_1.R1084	Score	522
Exons	1..305		
GI Descrip.	'126386/sp|P14947|MPL2_LOLPR 3.0e-13 POLLEN ALLERGEN LOL P 2-A (LOL P II-A) >gi_82449_pir__A34291 pollen allergen Lol p IIA - perennial ryegrass'		

Seq. No.	32953	Seq. ID	OJ991208_12.0225.C43
Gene No.	68359	Strand	-
Start	195	End	236
Name	OJ991208_12.0225.C43.o1.gs	Method	GENSCAN
Start	195	End	236
GI	none	Score	.93
Exons	195..236		

Seq. No.	32954	Seq. ID	OJ991208_12.0225.C44
Gene No.	68360	Strand	+
Start	1	End	801
Name	OJ991208_12.0225.C44.o1.np	Method	AAT/NAP
Start	1	End	801
GI	6498441	Score	891
Exons	1..651, 753..801		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	32954	Seq. ID	OJ991208_12.0225.C44
Gene No.	68360	Strand	+
Start	1	End	801
Name	OJ991208_12.0225.C44.o1.gs	Method	GENSCAN
Start	67	End	759
GI	none	Score	.57
Exons	67..759		

Seq. No.	32955	Seq. ID	OJ991208_12.0225.C45
Gene No.	68361	Strand	-
Start	4808	End	7331
Name	OJ991208_12.0225.C45.o2.gs	Method	GENSCAN
Start	4808	End	7331
GI	none	Score	.47
Exons	4808..5142, 5338..5383, 6482..6774, 7134..7331		

Seq. No.	32956	Seq. ID	OJ991208_12.0225.C46
Gene No.	68362	Strand	-

Start	94	End	163
Name	OJ991208_12.0225.C46.o1.gs	Method	GENSCAN
Start	94	End	163
GI	none	Score	.4
Exons	94..163		

Seq. No.	32957	Seq. ID	OJ991208_12.0225.C49
Gene No.	68363	Strand	+
Start	1	End	321
Name	OJ991208_12.0225.C49.o1.gp	Method	AAT/GAP
Start	1	End	321
GI	none	Score	534
Exons	1..321		

Seq. No.	32958	Seq. ID	OJ991208_12.0225.C50
Gene No.	68364	Strand	-
Start	1	End	783
Name	OJ991208_12.0225.C50.o1.np	Method	AAT/NAP
Start	1	End	783
GI	6498441	Score	612
Exons	1..202, 395..635, 732..783		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	32958	Seq. ID	OJ991208_12.0225.C50
Gene No.	68364	Strand	-
Start	1	End	783
Name	OJ991208_12.0225.C50.o2.np	Method	AAT/NAP
Start	1	End	783
GI	4836930	Score	59
Exons	1..36, 636..783		
GI Descrip.	(AC006085) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32958	Seq. ID	OJ991208_12.0225.C50
Gene No.	68364	Strand	-
Start	1	End	783
Name	OJ991208_12.0225.C50.o1.gs	Method	GENSCAN
Start	17	End	664
GI	none	Score	.75
Exons	17..664		

Seq. No.	32958	Seq. ID	OJ991208_12.0225.C50
Gene No.	68364	Strand	-
Start	1	End	783
Name	OJ991208_12.0225.C50.o1.tm	Method	TBLASTX:Maize
Start	419	End	779
GI	none	Score	62
Exons	419..502, 420..500, 521..775, 522..779		

Seq. No.	32958	Seq. ID	OJ991208_12.0225.C50
Gene No.	68364	Strand	-
Start	1	End	783
Name	OJ991208_12.0225.C50.o1.tw	Method	TBLASTX:Wheat
Start	420	End	782
GI	none	Score	79
Exons	420..578, 422..781, 615..782		

Seq. No.	32958	Seq. ID	OJ991208_12.0225.C50
Gene No.	68364	Strand	-
Start	1	End	783
Name	OJ991208_12.0225.C50.o1.ts	Method	TBLASTX:Soybean
Start	473	End	781
GI	none	Score	199
Exons	473..781		

Seq. No.	32959	Seq. ID	OJ991208_12.0225.C51
Gene No.	68365	Strand	+
Start	1	End	383
Name	OJ991208_12.0225.C51.o1.gp	Method	AAT/GAP
Start	1	End	383
GI	3761453	Score	673
Exons	1..383		

Seq. No.	32959	Seq. ID	OJ991208_12.0225.C51
Gene No.	68365	Strand	+
Start	1	End	383
Name	OJ991208_12.0225.C51.o1.np	Method	AAT/NAP
Start	1	End	298
GI	99861	Score	71
Exons	1..298		
GI Descrip.	extensin - almond gi|20420|emb|CAA46634| (X65718) extensin [Prunus dulcis] gi|445616|prf||1909363A extensin [Prunus dulcis]		

Seq. No.	32960	Seq. ID	OJ991208_12.0225.C52
Gene No.	68366	Strand	-
Start	107	End	812
Name	OJ991208_12.0225.C52.o1.np	Method	AAT/NAP
Start	107	End	812
GI	6907089	Score	1016
Exons	107..812		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	32960	Seq. ID	OJ991208_12.0225.C52
Gene No.	68366	Strand	-
Start	107	End	812
Name	OJ991208_12.0225.C52.o1.gs	Method	GENSCAN
Start	118	End	734
GI	none	Score	.98
Exons	118..734		

Seq. No.	32961	Seq. ID	OJ991208_07.0211.C3
Gene No.	68367	Strand	+
Start	563	End	644
Name	OJ991208_07.0211.C3.o1.gs	Method	GENSCAN
Start	563	End	644
GI	none	Score	.91
Exons	563..644		

Seq. No.	32962	Seq. ID	OJ991208_07.0211.C4
Gene No.	68368	Strand	+
Start	654	End	2060
Name	OJ991208_07.0211.C4.o1.gs	Method	GENSCAN
Start	654	End	2060

GI	none	Score	.98
Exons	654..2060		

Seq. No.	32962	Seq. ID	OJ991208_07.0211.C4
Gene No.	68368	Strand	+
Start	654	End	2060
Name	OJ991208_07.0211.C4.o1.np	Method	AAT/NAP
Start	1482	End	1871
GI	2665788	Score	88
Exons	1482..1608, 1695..1871		
GI Descrip.	(AF035676) cellular nucleic acid binding protein [Gallus gallus]		

Seq. No.	32963	Seq. ID	OJ991208_07.0211.C5
Gene No.	68369	Strand	-
Start	799	End	2020
Name	OJ991208_07.0211.C5.o1.gs	Method	GENSCAN
Start	799	End	2020
GI	none	Score	.64
Exons	799..1022, 2015..2020		

Seq. No.	32964	Seq. ID	OJ991208_07.0211.C6
Gene No.	68370	Strand	+
Start	1	End	3143
Name	OJ991208_07.0211.C6.o1.np	Method	AAT/NAP
Start	1	End	3143
GI	4680183	Score	83
Exons	1..54, 3073..3143		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	32965	Seq. ID	OJ991208_07.0211.C7
Gene No.	68371	Strand	+
Start	83	End	836
Name	OJ991208_07.0211.C7.o1.gs	Method	GENSCAN
Start	83	End	836
GI	none	Score	.64
Exons	83..106, 708..836		

Seq. No.	32965	Seq. ID	OJ991208_07.0211.C7
Gene No.	68372	Strand	-
Start	1	End	4043
Name	OJ991208_07.0211.C7.o1.np	Method	AAT/NAP
Start	1	End	2207
GI	5305335	Score	192
Exons	1..485, 1760..2207		
GI Descrip.	(AF071081) proline-rich mucin homolog [Mycobacterium tuberculosis]		

Seq. No.	32965	Seq. ID	OJ991208_07.0211.C7
Gene No.	68372	Strand	-
Start	1	End	4043
Name	OJ991208_07.0211.C7.o2.np	Method	AAT/NAP
Start	1	End	4043
GI	4378066	Score	648
Exons	1..33, 2478..3287, 3988..4043		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	32965	Seq. ID	OJ991208_07.0211.C7
Gene No.	68372	Strand	-
Start	1	End	4043
Name	OJ991208_07.0211.C7.o1.tw	Method	TBLASTX:Wheat
Start	2529	End	2935
GI	none	Score	56
Exons	2529..2657, 2534..2662, 2673..2882, 2708..2935		

Seq. No.	32966	Seq. ID	OJ991208_07.0211.C10
Gene No.	68373	Strand	+
Start	449	End	1005
Name	OJ991208_07.0211.C10.o1.gs	Method	GENSCAN
Start	449	End	1005
GI	none	Score	.83
Exons	449..506, 524..627, 712..1005		

Seq. No.	32966	Seq. ID	OJ991208_07.0211.C10
Gene No.	68374	Strand	-
Start	1340	End	4324
Name	OJ991208_07.0211.C10.o2.gs	Method	GENSCAN
Start	1340	End	4324
GI	none	Score	.6
Exons	1340..2308, 2423..3260, 3969..4156, 4180..4324		

Seq. No.	32966	Seq. ID	OJ991208_07.0211.C10
Gene No.	68374	Strand	-
Start	1340	End	4324
Name	OJ991208_07.0211.C10.o2.ts	Method	TBLASTX:Soybean
Start	1350	End	1600
GI	none	Score	52
Exons	1350..1391, 1355..1600, 1428..1598, 1433..1600		

Seq. No.	32966	Seq. ID	OJ991208_07.0211.C10
Gene No.	68374	Strand	-
Start	1340	End	4324
Name	OJ991208_07.0211.C10.o1.np	Method	AAT/NAP
Start	1361	End	4293
GI	4544372	Score	1030
Exons	1361..2932, 3038..3438, 3499..4293		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	32966	Seq. ID	OJ991208_07.0211.C10
Gene No.	68374	Strand	-
Start	1340	End	4324
Name	OJ991208_07.0211.C10.o2.tw	Method	TBLASTX:Wheat
Start	1376	End	1783
GI	none	Score	64
Exons	1376..1783, 1410..1553		

Seq. No.	32966	Seq. ID	OJ991208_07.0211.C10
Gene No.	68374	Strand	-
Start	1340	End	4324
Name	OJ991208_07.0211.C10.o4.ts	Method	TBLASTX:Soybean
Start	1943	End	2341
GI	none	Score	85

Exons	1943..2341, 2121..2237		
Seq. No.	32966	Seq. ID	OJ991208_07.0211.C10
Gene No.	68374	Strand	-
Start	1340	End	4324
Name	OJ991208_07.0211.C10.o4.tw	Method	TBLASTX:Wheat
Start	2111	End	2500
GI	none	Score	167
Exons	2111..2167, 2198..2500		
Seq. No.	32966	Seq. ID	OJ991208_07.0211.C10
Gene No.	68374	Strand	-
Start	1340	End	4324
Name	OJ991208_07.0211.C10.o3.tm	Method	TBLASTX:Maize
Start	2198	End	2575
GI	none	Score	199
Exons	2198..2575		
Seq. No.	32966	Seq. ID	OJ991208_07.0211.C10
Gene No.	68374	Strand	-
Start	1340	End	4324
Name	OJ991208_07.0211.C10.o3.tw	Method	TBLASTX:Wheat
Start	2762	End	3160
GI	none	Score	75
Exons	2762..3031, 3077..3160		
Seq. No.	32966	Seq. ID	OJ991208_07.0211.C10
Gene No.	68374	Strand	-
Start	1340	End	4324
Name	OJ991208_07.0211.C10.o1.ts	Method	TBLASTX:Soybean
Start	2795	End	3205
GI	none	Score	89
Exons	2795..3046, 2880..3047, 3054..3203, 3068..3205		
Seq. No.	32966	Seq. ID	OJ991208_07.0211.C10
Gene No.	68374	Strand	-
Start	1340	End	4324
Name	OJ991208_07.0211.C10.o3.ts	Method	TBLASTX:Soybean
Start	3343	End	3826
GI	none	Score	89
Exons	3343..3543, 3359..3499, 3544..3648, 3614..3826, 3720..3788		
Seq. No.	32966	Seq. ID	OJ991208_07.0211.C10
Gene No.	68374	Strand	-
Start	1340	End	4324
Name	OJ991208_07.0211.C10.o5.tw	Method	TBLASTX:Wheat
Start	3442	End	3841
GI	none	Score	57
Exons	3442..3543, 3614..3841, 3717..3824		
Seq. No.	32966	Seq. ID	OJ991208_07.0211.C10
Gene No.	68374	Strand	-
Start	1340	End	4324
Name	OJ991208_07.0211.C10.o1.tm	Method	TBLASTX:Maize
Start	3515	End	3973
GI	none	Score	54
Exons	3515..3616, 3515..3973, 3692..3973		

Seq. No.	32966	Seq. ID	OJ991208_07.0211.C10
Gene No.	68374	Strand	-
Start	1340	End	4324
Name	OJ991208_07.0211.C10.o1.tw	Method	TBLASTX:Wheat
Start	3842	End	4245
GI	none	Score	182
Exons	3842..4132, 3842..4144, 3885..4145, 4142..4171, 4144..4176, 4153..4185, 4219..4245		

Seq. No.	32966	Seq. ID	OJ991208_07.0211.C10
Gene No.	68374	Strand	-
Start	1340	End	4324
Name	OJ991208_07.0211.C10.o2.tm	Method	TBLASTX:Maize
Start	3974	End	4176
GI	none	Score	144
Exons	3974..4141, 3975..4145, 4144..4176		

Seq. No.	32967	Seq. ID	OJ991208_07.0211.C11
Gene No.	68375	Strand	+
Start	1	End	6787
Name	OJ991208_07.0211.C11.o3.np	Method	AAT/NAP
Start	1	End	6787
GI	5295955	Score	338
Exons	1..44, 4357..4475, 5336..5767, 6160..6787		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	32967	Seq. ID	OJ991208_07.0211.C11
Gene No.	68375	Strand	+
Start	1	End	6787
Name	OJ991208_07.0211.C11.o2.gs	Method	GENSCAN
Start	2546	End	3547
GI	none	Score	.75
Exons	2546..2880, 3006..3127, 3192..3547		

Seq. No.	32967	Seq. ID	OJ991208_07.0211.C11
Gene No.	68375	Strand	+
Start	1	End	6787
Name	OJ991208_07.0211.C11.o2.np	Method	AAT/NAP
Start	2546	End	4337
GI	6907087	Score	593
Exons	2546..3033, 3236..3542, 3996..4337		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32967	Seq. ID	OJ991208_07.0211.C11
Gene No.	68376	Strand	-
Start	1	End	8999
Name	OJ991208_07.0211.C11.o1.np	Method	AAT/NAP
Start	1	End	5920
GI	4680179	Score	1797
Exons	1..49, 473..1799, 5884..5920		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32967	Seq. ID	OJ991208_07.0211.C11

Gene No.	68376	Strand	-
Start	1	End	8999
Name	OJ991208_07.0211.C11.o1.gs	Method	GENSCAN
Start	478	End	1812
GI	none	Score	.9
Exons	478..1812		

Seq. No.	32967	Seq. ID	OJ991208_07.0211.C11
Gene No.	68376	Strand	-
Start	1	End	8999
Name	OJ991208_07.0211.C11.o2.gp	Method	AAT/GAP
Start	3678	End	3788
GI	uC-osflcyp088b12b1	Score	160
Exons	3678..3788		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	32967	Seq. ID	OJ991208_07.0211.C11
Gene No.	68376	Strand	-
Start	1	End	8999
Name	OJ991208_07.0211.C11.o3.gs	Method	GENSCAN
Start	5275	End	8999
GI	none	Score	.81
Exons	5275..5711, 5797..5907, 6076..6322, 6504..6659, 7101..7129, 7344..7383, 8552..8629, 8880..8999		

Seq. No.	32967	Seq. ID	OJ991208_07.0211.C11
Gene No.	68377	Strand	-
Start	9317	End	9425
Name	OJ991208_07.0211.C11.o3.tw	Method	TBLASTX:Wheat
Start	520	End	733
GI	none	Score	122
Exons	520..732, 530..733		

Seq. No.	32967	Seq. ID	OJ991208_07.0211.C11
Gene No.	68377	Strand	-
Start	9317	End	9425
Name	OJ991208_07.0211.C11.o1.tm	Method	TBLASTX:Maize
Start	580	End	1179
GI	none	Score	219
Exons	580..1020, 596..1021, 1018..1179, 1025..1171		

Seq. No.	32967	Seq. ID	OJ991208_07.0211.C11
Gene No.	68377	Strand	-
Start	9317	End	9425
Name	OJ991208_07.0211.C11.o1.tw	Method	TBLASTX:Wheat
Start	733	End	1359
GI	none	Score	88
Exons	733..1359, 736..987, 845..1303		

Seq. No.	32967	Seq. ID	OJ991208_07.0211.C11
Gene No.	68377	Strand	-
Start	9317	End	9425
Name	OJ991208_07.0211.C11.o2.tm	Method	TBLASTX:Maize
Start	1228	End	1520
GI	none	Score	208
Exons	1228..1518, 1232..1519, 1359..1520		

Seq. No.	32967	Seq. ID	OJ991208_07.0211.C11
Gene No.	68377	Strand	-
Start	9317	End	9425
Name	OJ991208_07.0211.C11.o1.ts	Method	TBLASTX:Soybean
Start	1318	End	1578
GI	none	Score	148
Exons	1318..1578, 1319..1573		

Seq. No.	32967	Seq. ID	OJ991208_07.0211.C11
Gene No.	68377	Strand	-
Start	9317	End	9425
Name	OJ991208_07.0211.C11.o1.tc	Method	TBLASTX:Cress
Start	1342	End	1659
GI	none	Score	85
Exons	1342..1485, 1343..1483, 1486..1659		

Seq. No.	32967	Seq. ID	OJ991208_07.0211.C11
Gene No.	68377	Strand	-
Start	9317	End	9425
Name	OJ991208_07.0211.C11.o2.tw	Method	TBLASTX:Wheat
Start	1366	End	1797
GI	none	Score	301
Exons	1366..1797, 1367..1795		

Seq. No.	32967	Seq. ID	OJ991208_07.0211.C11
Gene No.	68377	Strand	-
Start	9317	End	9425
Name	OJ991208_07.0211.C11.o4.gp	Method	AAT/GAP
Start	9317	End	9425
GI	uC-osflcyp088b12b1	Score	155
Exons	9317..9425		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	32968	Seq. ID	OJ991208_07.0211.C12
Gene No.	68378	Strand	+
Start	1	End	929
Name	OJ991208_07.0211.C12.o1.np	Method	AAT/NAP
Start	1	End	929
GI	6907087	Score	402
Exons	1..287, 828..929		
GI Descrip.	(AP001129). ESTs C72771(E2215), AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32968	Seq. ID	OJ991208_07.0211.C12
Gene No.	68379	Strand	+
Start	1395	End	1778
Name	OJ991208_07.0211.C12.o1.gp	Method	AAT/GAP
Start	1395	End	1778
GI	uC-osflcyp033a04b1	Score	673
Exons	1395..1778		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	32968	Seq. ID	OJ991208_07.0211.C12

Gene No.	68380	Strand	+
Start	11453	End	17915
Name	OJ991208_07.0211.C12.o4.gs	Method	GENSCAN
Start	11453	End	17915
GI	none	Score	.54
Exons	11453..11547, 11746..11989, 12047..12178, 12281..12545, 12633..12828, 12846..13122, 13149..13293, 13744..14309, 14399..14513, 14827..14952, 15903..16000, 16254..16360, 17276..17915		

Seq. No.	32968	Seq. ID	OJ991208_07.0211.C12
Gene No.	68381	Strand	+
Start	18660	End	19043
Name	OJ991208_07.0211.C12.o5.gp	Method	AAT/GAP
Start	18660	End	19043
GI	uC-osf1cyp033a04b1	Score	649
Exons	18660..19043		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	32968	Seq. ID	OJ991208_07.0211.C12
Gene No.	68382	Strand	-
Start	1	End	5572
Name	OJ991208_07.0211.C12.o3.np	Method	AAT/NAP
Start	1	End	1683
GI	5852180	Score	92
Exons	1..451, 1627..1683		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	32968	Seq. ID	OJ991208_07.0211.C12
Gene No.	68382	Strand	-
Start	1	End	5572
Name	OJ991208_07.0211.C12.o4.np	Method	AAT/NAP
Start	1	End	5572
GI	4680179	Score	3265
Exons	1..99, 2470..4456, 4490..5572		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32968	Seq. ID	OJ991208_07.0211.C12
Gene No.	68382	Strand	-
Start	1	End	5572
Name	OJ991208_07.0211.C12.o1.gs	Method	GENSCAN
Start	96	End	598
GI	none	Score	.94
Exons	96..547, 556..598		

Seq. No.	32968	Seq. ID	OJ991208_07.0211.C12
Gene No.	68382	Strand	-
Start	1	End	5572
Name	OJ991208_07.0211.C12.o2.np	Method	AAT/NAP
Start	1324	End	3277
GI	4680186	Score	211
Exons	1324..1528, 3257..3277		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	32968	Seq. ID	OJ991208_07.0211.C12
Gene No.	68383	Strand	-

Start	7522	End	7903
Name	OJ991208_07.0211.C12.o3.gp	Method	AAT/GAP
Start	7522	End	7903
GI	uC-osflcyp033a04b1	Score	679
Exons	7522..7903		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	32968	Seq. ID	OJ991208_07.0211.C12
Gene No.	68384	Strand	-
Start	10095	End	20849
Name	OJ991208_07.0211.C12.o1.tw	Method	TBLASTX:Wheat
Start	2555	End	3058
GI	none	Score	353
Exons	2555..3058, 2637..3026		

Seq. No.	32968	Seq. ID	OJ991208_07.0211.C12
Gene No.	68384	Strand	-
Start	10095	End	20849
Name	OJ991208_07.0211.C12.o1.tm	Method	TBLASTX:Maize
Start	2624	End	2987
GI	none	Score	172
Exons	2624..2986, 2633..2986, 2637..2987		

Seq. No.	32968	Seq. ID	OJ991208_07.0211.C12
Gene No.	68384	Strand	-
Start	10095	End	20849
Name	OJ991208_07.0211.C12.o2.ts	Method	TBLASTX:Soybean
Start	2807	End	3052
GI	none	Score	93
Exons	2807..3052, 2808..3035		

Seq. No.	32968	Seq. ID	OJ991208_07.0211.C12
Gene No.	68384	Strand	-
Start	10095	End	20849
Name	OJ991208_07.0211.C12.o2.tm	Method	TBLASTX:Maize
Start	3023	End	3523
GI	none	Score	50
Exons	3023..3337, 3066..3116, 3144..3197, 3344..3523, 3396..3515		

Seq. No.	32968	Seq. ID	OJ991208_07.0211.C12
Gene No.	68384	Strand	-
Start	10095	End	20849
Name	OJ991208_07.0211.C12.o3.tw	Method	TBLASTX:Wheat
Start	3059	End	3361
GI	none	Score	267
Exons	3059..3361, 3075..3359		

Seq. No.	32968	Seq. ID	OJ991208_07.0211.C12
Gene No.	68384	Strand	-
Start	10095	End	20849
Name	OJ991208_07.0211.C12.o1.ts	Method	TBLASTX:Soybean
Start	3074	End	3469
GI	none	Score	199
Exons	3074..3433, 3075..3365, 3396..3431, 3437..3469, 3438..3467		

Seq. No.	32968	Seq. ID	OJ991208_07.0211.C12

Gene No.	68384	Strand	-
Start	10095	End	20849
Name	OJ991208_07.0211.C12.o2.tw	Method	TBLASTX:Wheat
Start	3410	End	3896
GI	none	Score	266
Exons	3410..3787, 3453..3896, 3842..3892		

Seq. No.	32968	Seq. ID	OJ991208_07.0211.C12
Gene No.	68384	Strand	-
Start	10095	End	20849
Name	OJ991208_07.0211.C12.o3.tm	Method	TBLASTX:Maize
Start	3591	End	3881
GI	none	Score	187
Exons	3591..3881, 3593..3880		

Seq. No.	32968	Seq. ID	OJ991208_07.0211.C12
Gene No.	68384	Strand	-
Start	10095	End	20849
Name	OJ991208_07.0211.C12.o5.tw	Method	TBLASTX:Wheat
Start	3992	End	4429
GI	none	Score	60
Exons	3992..4033, 4061..4174, 4062..4175, 4220..4429, 4221..4373		

Seq. No.	32968	Seq. ID	OJ991208_07.0211.C12
Gene No.	68384	Strand	-
Start	10095	End	20849
Name	OJ991208_07.0211.C12.o5.tm	Method	TBLASTX:Maize
Start	4112	End	4465
GI	none	Score	188
Exons	4112..4465		

Seq. No.	32968	Seq. ID	OJ991208_07.0211.C12
Gene No.	68384	Strand	-
Start	10095	End	20849
Name	OJ991208_07.0211.C12.o4.tm	Method	TBLASTX:Maize
Start	4790	End	5095
GI	none	Score	76
Exons	4790..5095, 4998..5081		

Seq. No.	32968	Seq. ID	OJ991208_07.0211.C12
Gene No.	68384	Strand	-
Start	10095	End	20849
Name	OJ991208_07.0211.C12.o4.tw	Method	TBLASTX:Wheat
Start	4976	End	5338
GI	none	Score	139
Exons	4976..5338, 4998..5336		

Seq. No.	32968	Seq. ID	OJ991208_07.0211.C12
Gene No.	68384	Strand	-
Start	10095	End	20849
Name	OJ991208_07.0211.C12.o7.np	Method	AAT/NAP
Start	10095	End	18962
GI	5852180	Score	704
Exons	10095..10133, 16539..16621, 17324..17735, 17787..17903, 18893..18962		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	32968	Seq. ID	OJ991208_07.0211.C12
Gene No.	68384	Strand	-
Start	10095	End	20849
Name	OJ991208_07.0211.C12.o5.np	Method	AAT/NAP
Start	12864	End	14531
GI	322755	Score	57
Exons	12864..12978, 13075..13135, 14457..14531		
GI Descrip.	pistil extensin-like protein (clone pMG04) - common tobacco (fragment) gi|19919|emb|CAA78398| (Z14020) Pistil extensin like protein, partial CDS only [Nicotiana tabacum]		

Seq. No.	32968	Seq. ID	OJ991208_07.0211.C12
Gene No.	68384	Strand	-
Start	10095	End	20849
Name	OJ991208_07.0211.C12.o6.np	Method	AAT/NAP
Start	15896	End	20849
GI	4206306	Score	206
Exons	15896..16213, 20787..20849		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	32968	Seq. ID	OJ991208_07.0211.C12
Gene No.	68384	Strand	-
Start	10095	End	20849
Name	OJ991208_07.0211.C12.o6.tm	Method	TBLASTX:Maize
Start	15947	End	16207
GI	none	Score	95
Exons	15947..16207, 15972..16106		

Seq. No.	32969	Seq. ID	OJ991208_07.0211.C13
Gene No.	68385	Strand	+
Start	8652	End	10775
Name	OJ991208_07.0211.C13.o3.np	Method	AAT/NAP
Start	8652	End	10775
GI	5852180	Score	43
Exons	8652..8674, 10577..10663, 10756..10775		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	32969	Seq. ID	OJ991208_07.0211.C13
Gene No.	68386	Strand	-
Start	1	End	7314
Name	OJ991208_07.0211.C13.o1.np	Method	AAT/NAP
Start	1	End	2191
GI	4680179	Score	607
Exons	1..87, 1016..1253, 1332..2191		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32969	Seq. ID	OJ991208_07.0211.C13
Gene No.	68386	Strand	-
Start	1	End	7314
Name	OJ991208_07.0211.C13.o1.gs	Method	GENSCAN
Start	905	End	7314
GI	none	Score	.46
Exons	905..2170, 3630..3709, 4286..4367, 4779..4902, 4908..5871, 6196..6327, 7218..7314		

Seq. No.	32969	Seq. ID	OJ991208_07.0211.C13
Gene No.	68386	Strand	-

Start	1	End	7314
Name	OJ991208_07.0211.C13.o2.np	Method	AAT/NAP
Start	4266	End	6026
GI	6907087	Score	926
Exons	4266..4367, 4908..5222, 5267..6026		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32969	Seq. ID	OJ991208_07.0211.C13
Gene No.	68387	Strand	-
Start	8140	End	10775
Name	OJ991208_07.0211.C13.o1.tw	Method	TBLASTX:Wheat
Start	1352	End	1708
GI	none	Score	86
Exons	1352..1708, 1530..1694		

Seq. No.	32969	Seq. ID	OJ991208_07.0211.C13
Gene No.	68387	Strand	-
Start	8140	End	10775
Name	OJ991208_07.0211.C13.o1.tm	Method	TBLASTX:Maize
Start	1409	End	1708
GI	none	Score	77
Exons	1409..1708, 1581..1694		

Seq. No.	32969	Seq. ID	OJ991208_07.0211.C13
Gene No.	68387	Strand	-
Start	8140	End	10775
Name	OJ991208_07.0211.C13.o2.tw	Method	TBLASTX:Wheat
Start	1718	End	1948
GI	none	Score	105
Exons	1718..1948, 1719..1946		

Seq. No.	32969	Seq. ID	OJ991208_07.0211.C13
Gene No.	68387	Strand	-
Start	8140	End	10775
Name	OJ991208_07.0211.C13.o2.gs	Method	GENSCAN
Start	8140	End	10770
GI	none	Score	.4
Exons	8140..8794, 8994..9097, 10705..10770		

Seq. No.	32969	Seq. ID	OJ991208_07.0211.C13
Gene No.	68387	Strand	-
Start	8140	End	10775
Name	OJ991208_07.0211.C13.o2.gp	Method	AAT/GAP
Start	10492	End	10775
GI	uC-osflcyp033a04b1	Score	490
Exons	10492..10775		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	32970	Seq. ID	OJ991208_07.0211.C14
Gene No.	68388	Strand	+
Start	209	End	1245
Name	OJ991208_07.0211.C14.o1.gs	Method	GENSCAN
Start	209	End	1245
GI	none	Score	.41

Exons	209..325, 745..1245		
Seq. No.	32970	Seq. ID	OJ991208_07.0211.C14
Gene No.	68389	Strand	+
Start	2231	End	3245
Name	OJ991208_07.0211.C14.o2.gs	Method	GENSCAN
Start	2231	End	3245
GI	none	Score	.58
Exons	2231..2504, 3016..3245		
Seq. No.	32971	Seq. ID	OJ991208_07.0211.C15
Gene No.	68390	Strand	+
Start	6786	End	12153
Name	OJ991208_07.0211.C15.o9.tw	Method	TBLASTX:Wheat
Start	1829	End	2188
GI	none	Score	77
Exons	1829..1960, 1967..2188		
Seq. No.	32971	Seq. ID	OJ991208_07.0211.C15
Gene No.	68390	Strand	+
Start	6786	End	12153
Name	OJ991208_07.0211.C15.o4.tm	Method	TBLASTX:Maize
Start	2521	End	9695
GI	none	Score	392
Exons	2521..2877, 2522..2878, 9450..9695		
Seq. No.	32971	Seq. ID	OJ991208_07.0211.C15
Gene No.	68390	Strand	+
Start	6786	End	12153
Name	OJ991208_07.0211.C15.o4.tw	Method	TBLASTX:Wheat
Start	2618	End	9801
GI	none	Score	206
Exons	2618..2923, 2777..2938, 9317..9757, 9318..9800, 9333..9797, 9427..9801		
Seq. No.	32971	Seq. ID	OJ991208_07.0211.C15
Gene No.	68390	Strand	+
Start	6786	End	12153
Name	OJ991208_07.0211.C15.o4.ts	Method	TBLASTX:Soybean
Start	2633	End	9668
GI	none	Score	93
Exons	2633..2839, 9354..9668		
Seq. No.	32971	Seq. ID	OJ991208_07.0211.C15
Gene No.	68390	Strand	+
Start	6786	End	12153
Name	OJ991208_07.0211.C15.o6.tm	Method	TBLASTX:Maize
Start	2882	End	10061
GI	none	Score	189
Exons	2882..3097, 2884..2949, 3016..3108, 3082..3186, 9696..9824, 9696..9857, 9905..9979, 9906..10061		
Seq. No.	32971	Seq. ID	OJ991208_07.0211.C15
Gene No.	68390	Strand	+
Start	6786	End	12153
Name	OJ991208_07.0211.C15.o2.ts	Method	TBLASTX:Soybean
Start	2927	End	10135

GI	none	Score	56
Exons	2927..3085, 3082..3192, 9741..9773, 9741..9773, 9742..9774, 9777..9830, 9779..9820, 9794..9940, 9885..10124, 9893..10120, 10040..10135		

Seq. No.	32971	Seq. ID	OJ991208_07.0211.C15
Gene No.	68390	Strand	+
Start	6786	End	12153
Name	OJ991208_07.0211.C15.o10.tw	Method	TBLASTX:Wheat
Start	2942	End	3165
GI	none	Score	150
Exons	2942..3091, 3100..3165, 3102..3164		

Seq. No.	32971	Seq. ID	OJ991208_07.0211.C15
Gene No.	68390	Strand	+
Start	6786	End	12153
Name	OJ991208_07.0211.C15.o1.np	Method	AAT/NAP
Start	6786	End	12153
GI	4680179	Score	5533
Exons	6786..6858, 7754..8747, 8775..12153		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32971	Seq. ID	OJ991208_07.0211.C15
Gene No.	68390	Strand	+
Start	6786	End	12153
Name	OJ991208_07.0211.C15.o11.tw	Method	TBLASTX:Wheat
Start	7898	End	8096
GI	none	Score	195
Exons	7898..8095, 7899..8096		

Seq. No.	32971	Seq. ID	OJ991208_07.0211.C15
Gene No.	68390	Strand	+
Start	6786	End	12153
Name	OJ991208_07.0211.C15.o5.tm	Method	TBLASTX:Maize
Start	8148	End	8486
GI	none	Score	246
Exons	8148..8486, 8148..8357		

Seq. No.	32971	Seq. ID	OJ991208_07.0211.C15
Gene No.	68390	Strand	+
Start	6786	End	12153
Name	OJ991208_07.0211.C15.o5.tw	Method	TBLASTX:Wheat
Start	8148	End	8498
GI	none	Score	314
Exons	8148..8498		

Seq. No.	32971	Seq. ID	OJ991208_07.0211.C15
Gene No.	68390	Strand	+
Start	6786	End	12153
Name	OJ991208_07.0211.C15.o7.tw	Method	TBLASTX:Wheat
Start	8832	End	9185
GI	none	Score	245
Exons	8832..9185		

Seq. No.	32971	Seq. ID	OJ991208_07.0211.C15
Gene No.	68390	Strand	+
Start	6786	End	12153

Name	OJ991208_07.0211.C15.o7.tm	Method	TBLASTX:Maize
Start	9219	End	9386
GI	none	Score	193
Exons	9219..9386, 9227..9334		

Seq. No.	32971	Seq. ID	OJ991208_07.0211.C15
Gene No.	68390	Strand	+
Start	6786	End	12153
Name	OJ991208_07.0211.C15.o8.tw	Method	TBLASTX:Wheat
Start	9868	End	10147
GI	none	Score	46
Exons	9868..9942, 9888..10124, 9890..10060, 10040..10147, 10040..10141		

Seq. No.	32971	Seq. ID	OJ991208_07.0211.C15
Gene No.	68390	Strand	+
Start	6786	End	12153
Name	OJ991208_07.0211.C15.o3.tw	Method	TBLASTX:Wheat
Start	10150	End	10575
GI	none	Score	588
Exons	10150..10575, 10158..10568, 10225..10575		

Seq. No.	32971	Seq. ID	OJ991208_07.0211.C15
Gene No.	68390	Strand	+
Start	6786	End	12153
Name	OJ991208_07.0211.C15.o3.ts	Method	TBLASTX:Soybean
Start	10156	End	10404
GI	none	Score	206
Exons	10156..10404		

Seq. No.	32971	Seq. ID	OJ991208_07.0211.C15
Gene No.	68390	Strand	+
Start	6786	End	12153
Name	OJ991208_07.0211.C15.o2.tm	Method	TBLASTX:Maize
Start	10222	End	10575
GI	none	Score	463
Exons	10222..10575, 10227..10568		

Seq. No.	32971	Seq. ID	OJ991208_07.0211.C15
Gene No.	68390	Strand	+
Start	6786	End	12153
Name	OJ991208_07.0211.C15.o2.tw	Method	TBLASTX:Wheat
Start	10603	End	11142
GI	none	Score	622
Exons	10603..11142, 10785..11141		

Seq. No.	32971	Seq. ID	OJ991208_07.0211.C15
Gene No.	68390	Strand	+
Start	6786	End	12153
Name	OJ991208_07.0211.C15.o1.tc	Method	TBLASTX:Cress
Start	10840	End	11166
GI	none	Score	91
Exons	10840..11022, 11023..11166, 11025..11165		

Seq. No.	32971	Seq. ID	OJ991208_07.0211.C15
Gene No.	68390	Strand	+
Start	6786	End	12153
Name	OJ991208_07.0211.C15.o1.ts	Method	TBLASTX:Soybean

Start	10933	End	11190
GI	none	Score	298
Exons	10933..11190, 10941..11189		

Seq. No.	32971	Seq. ID	OJ991208_07.0211.C15
Gene No.	68390	Strand	+
Start	6786	End	12153
Name	OJ991208_07.0211.C15.o3.tm	Method	TBLASTX:Maize
Start	10988	End	11280
GI	none	Score	137
Exons	10988..11275, 10989..11276, 10989..11276, 10990..11280		

Seq. No.	32971	Seq. ID	OJ991208_07.0211.C15
Gene No.	68390	Strand	+
Start	6786	End	12153
Name	OJ991208_07.0211.C15.o1.tw	Method	TBLASTX:Wheat
Start	11149	End	11775
GI	none	Score	707
Exons	11149..11775, 11205..11654, 11715..11774		

Seq. No.	32971	Seq. ID	OJ991208_07.0211.C15
Gene No.	68390	Strand	+
Start	6786	End	12153
Name	OJ991208_07.0211.C15.o1.tm	Method	TBLASTX:Maize
Start	11328	End	11913
GI	none	Score	219
Exons	11328..11483, 11329..11490, 11487..11648, 11488..11913, 11715..11912		

Seq. No.	32971	Seq. ID	OJ991208_07.0211.C15
Gene No.	68390	Strand	+
Start	6786	End	12153
Name	OJ991208_07.0211.C15.o6.tw	Method	TBLASTX:Wheat
Start	11779	End	12108
GI	none	Score	249
Exons	11779..12108, 11790..12056		

Seq. No.	32972	Seq. ID	OJ991208_07.0211.C16
Gene No.	68391	Strand	-
Start	66	End	328
Name	OJ991208_07.0211.C16.o1.gs	Method	GENSCAN
Start	66	End	328
GI	none	Score	.83
Exons	66..328		

Seq. No.	32973	Seq. ID	OJ991008_03.0207.C1
Gene No.	68392	Strand	-
Start	312	End	506
Name	OJ991008_03.0207.C1.o1.gs	Method	GENSCAN
Start	312	End	506
GI	none	Score	.47
Exons	312..412, 437..506		

Seq. No.	32974	Seq. ID	OJ991008_03.0207.C2
Gene No.	68393	Strand	+
Start	92	End	251
Name	OJ991008_03.0207.C2.o1.gs	Method	GENSCAN

Start	92	End	251
GI	none	Score	.71
Exons	92..251		

Seq. No.	32974	Seq. ID	OJ991008_03.0207.C2
Gene No.	68394	Strand	-
Start	1208	End	1490
Name	OJ991008_03.0207.C2.o2.gs	Method	GENSCAN
Start	1208	End	1490
GI	none	Score	.9
Exons	1208..1490		

Seq. No.	32975	Seq. ID	OJ991008_03.0207.C6
Gene No.	68395	Strand	+
Start	236	End	369
Name	OJ991008_03.0207.C6.o1.gs	Method	GENSCAN
Start	236	End	369
GI	none	Score	.87
Exons	236..369		

Seq. No.	32976	Seq. ID	OJ991008_03.0207.C8
Gene No.	68396	Strand	+
Start	240	End	545
Name	OJ991008_03.0207.C8.o1.gs	Method	GENSCAN
Start	240	End	545
GI	none	Score	1
Exons	240..545		

Seq. No.	32977	Seq. ID	OJ991008_03.0207.C9
Gene No.	68397	Strand	-
Start	401	End	1094
Name	OJ991008_03.0207.C9.o1.gs	Method	GENSCAN
Start	401	End	1094
GI	none	Score	.58
Exons	401..561, 971..1094		

Seq. No.	32978	Seq. ID	OJ991008_03.0207.C11
Gene No.	68398	Strand	-
Start	646	End	1006
Name	OJ991008_03.0207.C11.o1.gs	Method	GENSCAN
Start	646	End	1006
GI	none	Score	.82
Exons	646..753, 950..1006		

Seq. No.	32979	Seq. ID	OJ991008_03.0207.C12
Gene No.	68399	Strand	-
Start	81	End	589
Name	OJ991008_03.0207.C12.o1.gp	Method	AAT/GAP
Start	81	End	338
GI	31070_1.R1084	Score	471
Exons	81..338		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	32979	Seq. ID	OJ991008_03.0207.C12
Gene No.	68399	Strand	-
Start	81	End	589

Name	OJ991008_03.0207.C12.o1.gs	Method	GENSCAN
Start	81	End	589
GI	none	Score	.94
Exons	81..589		

Seq. No.	32980	Seq. ID	OJ991008_03.0207.C14
Gene No.	68400	Strand	-
Start	9	End	103
Name	OJ991008_03.0207.C14.o1.gs	Method	GENSCAN
Start	9	End	103
GI	none	Score	.74
Exons	9..103		

Seq. No.	32981	Seq. ID	OJ991008_03.0207.C18
Gene No.	68401	Strand	-
Start	1183	End	1400
Name	OJ991008_03.0207.C18.o1.gp	Method	AAT/GAP
Start	1183	End	1400
GI	uC-osroM202025g03a1	Score	323
Exons	1183..1400		
GI Descrip.	'4835767/gb|AAD30234.1|AC007202_16 7.0e-17 (AC007202) T8K14.16 [Arabidopsis thaliana]'		

Seq. No.	32981	Seq. ID	OJ991008_03.0207.C18
Gene No.	68402	Strand	-
Start	1328	End	2630
Name	OJ991008_03.0207.C18.o1.np	Method	AAT/NAP
Start	1328	End	2630
GI	416731	Score	180
Exons	1328..1388, 2332..2630		
GI Descrip.	POLLEN SPECIFIC PROTEIN C13 PRECURSOR gi|82655|pir||JQ1107 18.3K protein precursor, pollen - maize gi|255569|bbs|113677 (S44171) pollen specific protein [Zea mays=corn, Peptide, 170 aa] [Zea mays] gi|1588669|prf||2209273A Zm13 [Zea mays]		

Seq. No.	32981	Seq. ID	OJ991008_03.0207.C18
Gene No.	68402	Strand	-
Start	1328	End	2630
Name	OJ991008_03.0207.C18.o1.tm	Method	TBLASTX:Maize
Start	2374	End	2630
GI	none	Score	142
Exons	2374..2616, 2382..2504, 2505..2630, 2574..2630		

Seq. No.	32982	Seq. ID	OJ991008_03.0207.C19
Gene No.	68403	Strand	+
Start	603	End	2134
Name	OJ991008_03.0207.C19.o1.gs	Method	GENSCAN
Start	603	End	2134
GI	none	Score	.44
Exons	603..733, 1198..1274, 2041..2134		

Seq. No.	32983	Seq. ID	OJ991008_03.0207.C22
Gene No.	68404	Strand	+
Start	45	End	251
Name	OJ991008_03.0207.C22.o1.gs	Method	GENSCAN
Start	45	End	251
GI	none	Score	.66

Exons	45..251		
Seq. No.	32984	Seq. ID	OJ991008_03.0207.C23
Gene No.	68405	Strand	-
Start	1	End	409
Name	OJ991008_03.0207.C23.o1.np	Method	AAT/NAP
Start	1	End	409
GI	6630700	Score	299
Exons	1..409		
GI Descrip.	(AP000969) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa] gi|6721537|dbj|BAA89567.1| (AP001073) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa]		
Seq. No.	32984	Seq. ID	OJ991008_03.0207.C23
Gene No.	68405	Strand	-
Start	1	End	409
Name	OJ991008_03.0207.C23.o1.gs	Method	GENSCAN
Start	77	End	282
GI	none	Score	.56
Exons	77..282		
Seq. No.	32985	Seq. ID	OJ991008_03.0207.C27
Gene No.	68406	Strand	+
Start	1	End	1224
Name	OJ991008_03.0207.C27.o2.np	Method	AAT/NAP
Start	1	End	1224
GI	6729552	Score	88
Exons	1..52, 1040..1224		
GI Descrip.	(AL132977) putative protein [Arabidopsis thaliana]		
Seq. No.	32985	Seq. ID	OJ991008_03.0207.C27
Gene No.	68407	Strand	-
Start	1	End	4316
Name	OJ991008_03.0207.C27.o3.np	Method	AAT/NAP
Start	1	End	1540
GI	6539588	Score	209
Exons	1..226, 1231..1540		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	32985	Seq. ID	OJ991008_03.0207.C27
Gene No.	68407	Strand	-
Start	1	End	4316
Name	OJ991008_03.0207.C27.o1.np	Method	AAT/NAP
Start	57	End	4316
GI	4680183	Score	186
Exons	57..146, 750..820, 4299..4316		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	32985	Seq. ID	OJ991008_03.0207.C27
Gene No.	68407	Strand	-
Start	1	End	4316
Name	OJ991008_03.0207.C27.o2.gs	Method	GENSCAN
Start	1006	End	4257
GI	none	Score	.59
Exons	1006..1163, 1438..1509, 3537..3721, 4034..4257		

Seq. No.	32985	Seq. ID	OJ991008_03.0207.C27
Gene No.	68407	Strand	-
Start	1	End	4316
Name	OJ991008_03.0207.C27.o4.np	Method	AAT/NAP
Start	3499	End	4316
GI	4416302	Score	835
Exons	3499..4316		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	32985	Seq. ID	OJ991008_03.0207.C27
Gene No.	68407	Strand	-
Start	1	End	4316
Name	OJ991008_03.0207.C27.o1.tm	Method	TBLASTX:Maize
Start	3520	End	4176
GI	none	Score	380
Exons	3520..3801, 3530..4168, 3877..4176		

Seq. No.	32985	Seq. ID	OJ991008_03.0207.C27
Gene No.	68407	Strand	-
Start	1	End	4316
Name	OJ991008_03.0207.C27.o1.tw	Method	TBLASTX:Wheat
Start	3922	End	4311
GI	none	Score	76
Exons	3922..4179, 4216..4311		

Seq. No.	32985	Seq. ID	OJ991008_03.0207.C27
Gene No.	68407	Strand	-
Start	1	End	4316
Name	OJ991008_03.0207.C27.o1.ts	Method	TBLASTX:Soybean
Start	3985	End	4314
GI	none	Score	69
Exons	3985..4314, 3992..4168, 4229..4291		

Seq. No.	32986	Seq. ID	OJ991008_03.0207.C28
Gene No.	68408	Strand	-
Start	1	End	845
Name	OJ991008_03.0207.C28.o1.np	Method	AAT/NAP
Start	1	End	845
GI	4416302	Score	470
Exons	1..154, 296..845		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	32986	Seq. ID	OJ991008_03.0207.C28
Gene No.	68408	Strand	-
Start	1	End	845
Name	OJ991008_03.0207.C28.o1.tm	Method	TBLASTX:Maize
Start	316	End	834
GI	none	Score	284
Exons	316..468, 463..834, 464..823		

Seq. No.	32986	Seq. ID	OJ991008_03.0207.C28
Gene No.	68408	Strand	-
Start	1	End	845
Name	OJ991008_03.0207.C28.o1.ts	Method	TBLASTX:Soybean
Start	316	End	777
GI	none	Score	149
Exons	316..444, 466..777, 473..757, 580..759		

Seq. No.	32986	Seq. ID	OJ991008_03.0207.C28
Gene No.	68408	Strand	-
Start	1	End	845
Name	OJ991008_03.0207.C28.o1.tc	Method	TBLASTX:Cress
Start	317	End	759
GI	none	Score	66
Exons	317..454, 322..453, 469..759,	595..759	

Seq. No.	32986	Seq. ID	OJ991008_03.0207.C28
Gene No.	68408	Strand	-
Start	1	End	845
Name	OJ991008_03.0207.C28.o1.tw	Method	TBLASTX:Wheat
Start	559	End	718
GI	none	Score	90
Exons	559..717, 565..711, 566..718		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68409	Strand	+
Start	5527	End	6306
Name	OJ991008_03.0207.C29.o2.gs	Method	GENSCAN
Start	5527	End	6306
GI	none	Score	.91
Exons	5527..6306		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68410	Strand	+
Start	10113	End	11367
Name	OJ991008_03.0207.C29.o4.gs	Method	GENSCAN
Start	10113	End	11367
GI	none	Score	.71
Exons	10113..10141, 10818..11011,	11040..11164,	11305..11367

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68411	Strand	+
Start	12488	End	13045
Name	OJ991008_03.0207.C29.o2.gp	Method	AAT/GAP
Start	12416	End	12884
GI	19278_1.R1084	Score	889
Exons	12416..12884		
GI Descrip.	'2462834 8.0e-21 (AF000657) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68411	Strand	+
Start	12488	End	13045
Name	OJ991008_03.0207.C29.o5.np	Method	AAT/NAP
Start	12479	End	13042
GI	6227011	Score	420
Exons	12479..13042		
GI Descrip.	(AC009513) F12P19.3 [Arabidopsis thaliana]		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68411	Strand	+
Start	12488	End	13045
Name	OJ991008_03.0207.C29.o5.gs	Method	GENSCAN
Start	12488	End	13045

GI	none	Score	.99
Exons	12488..13045		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68412	Strand	+
Start	31045	End	39116
Name	OJ991008_03.0207.C29.o8.gs	Method	GENSCAN
Start	31045	End	39116
GI	none	Score	.67
Exons	31045..31051, 31090..31317, 32074..32280, 32354..32403, 32697..32759, 32846..32922, 33027..33090, 33300..33387, 37738..37790, 38515..38604, 38865..39116		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68412	Strand	+
Start	31045	End	39116
Name	OJ991008_03.0207.C29.o6.gp	Method	AAT/GAP
Start	32826	End	33629
GI	none	Score	1044
Exons	32826..32918, 33027..33153, 33272..33629		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68412	Strand	+
Start	31045	End	39116
Name	OJ991008_03.0207.C29.o8.gp	Method	AAT/GAP
Start	35329	End	35614
GI	5607411	Score	519
Exons	35329..35614		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68413	Strand	+
Start	39308	End	39467
Name	OJ991008_03.0207.C29.o9.gs	Method	GENSCAN
Start	39308	End	39467
GI	none	Score	.97
Exons	39308..39467		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68414	Strand	-
Start	1	End	4338
Name	OJ991008_03.0207.C29.o1.np	Method	AAT/NAP
Start	1	End	389
GI	3645899	Score	152
Exons	1..34, 70..389		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68414	Strand	-
Start	1	End	4338
Name	OJ991008_03.0207.C29.o1.gs	Method	GENSCAN
Start	219	End	4338
GI	none	Score	.57
Exons	219..386, 674..1348, 1701..1942, 2005..2831, 3001..3247, 4278..4338		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68414	Strand	-

Start	1	End	4338
Name	OJ991008_03.0207.C29.o3.np	Method	AAT/NAP
Start	1595	End	3274
GI	6539588	Score	294
Exons	1595..1639, 2961..3274		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68414	Strand	-
Start	1	End	4338
Name	OJ991008_03.0207.C29.o1.gp	Method	AAT/GAP
Start	3450	End	3905
GI	4968598	Score	765
Exons	3450..3905		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68415	Strand	-
Start	12923	End	13207
Name	OJ991008_03.0207.C29.o3.gp	Method	AAT/GAP
Start	12923	End	13207
GI	none	Score	423
Exons	12923..13207		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68416	Strand	-
Start	14245	End	18407
Name	OJ991008_03.0207.C29.o6.gs	Method	GENSCAN
Start	14245	End	18407
GI	none	Score	.84
Exons	14245..14542, 14767..14843, 15226..15402, 15496..15593, 15692..15758, 15865..15955, 16263..16594, 17152..17342, 18164..18407		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68416	Strand	-
Start	14245	End	18407
Name	OJ991008_03.0207.C29.o6.np	Method	AAT/NAP
Start	14766	End	16461
GI	4587533	Score	232
Exons	14766..14833, 14938..15064, 15226..15402, 15496..15605, 15677..15758, 15865..15955, 16061..16153, 16263..16461		
GI Descrip.	(AC007060) EST gb|AA721821 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68417	Strand	-
Start	22634	End	30350
Name	OJ991008_03.0207.C29.o4.gp	Method	AAT/GAP
Start	22303	End	23454
GI	uC-osflcyp058g04b1	Score	861
Exons	22303..22480, 22622..22705, 23133..23274, 23357..23454		
GI Descrip.	'3413473/emb|CAA06975.1| 9.0e-34 (AJ006308) tyrosine phosphatase 1 [Glycine max]'		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68417	Strand	-
Start	22634	End	30350

Name	OJ991008_03.0207.C29.o7.gs	Method	GENSCAN
Start	22634	End	30350
GI	none	Score	.67
Exons	22634..22705, 23133..23274, 23357..23499, 25000..25125, 26392..26532, 26683..26765, 26856..26946, 28366..28713, 29910..30199, 30332..30350		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68417	Strand	-
Start	22634	End	30350
Name	OJ991008_03.0207.C29.o7.np	Method	AAT/NAP
Start	22634	End	28569
GI	3413473	Score	456
Exons	22634..22705, 23133..23274, 23357..23499, 24997..25143, 26400..26502, 26656..26765, 26856..26946, 28360..28569		
GI Descrip.	(AJ006308) tyrosine phosphatase 1 [Glycine max]		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68417	Strand	-
Start	22634	End	30350
Name	OJ991008_03.0207.C29.o5.gp	Method	AAT/GAP
Start	26680	End	28582
GI	none	Score	736
Exons	26680..26765, 26856..26946, 28366..28582		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68418	Strand	-
Start	34911	End	35304
Name	OJ991008_03.0207.C29.o3.tm	Method	TBLASTX:Maize
Start	5302	End	5616
GI	none	Score	179
Exons	5302..5460, 5307..5429, 5314..5475, 5470..5616		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68418	Strand	-
Start	34911	End	35304
Name	OJ991008_03.0207.C29.o1.tw	Method	TBLASTX:Wheat
Start	5895	End	6225
GI	none	Score	84
Exons	5895..6056, 5899..6000, 6007..6225		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68418	Strand	-
Start	34911	End	35304
Name	OJ991008_03.0207.C29.o1.tc	Method	TBLASTX:Cress
Start	12611	End	12958
GI	none	Score	88
Exons	12611..12679, 12707..12958		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68418	Strand	-
Start	34911	End	35304
Name	OJ991008_03.0207.C29.o1.ts	Method	TBLASTX:Soybean
Start	12611	End	13092
GI	none	Score	76
Exons	12611..12706, 12622..12714, 12692..13042, 12694..12924, 12976..13092		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68418	Strand	-
Start	34911	End	35304
Name	OJ991008_03.0207.C29.o1.tm	Method	TBLASTX:Maize
Start	12707	End	13038
GI	none	Score	453
Exons	12707..13036, 12709..12927, 12991..13038		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68418	Strand	-
Start	34911	End	35304
Name	OJ991008_03.0207.C29.o3.ts	Method	TBLASTX:Soybean
Start	16066	End	16463
GI	none	Score	62
Exons	16066..16155, 16067..16156, 16262..16462, 16263..16463		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68418	Strand	-
Start	34911	End	35304
Name	OJ991008_03.0207.C29.o4.tm	Method	TBLASTX:Maize
Start	16066	End	16466
GI	none	Score	69
Exons	16066..16155, 16262..16453, 16283..16450, 16302..16466		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68418	Strand	-
Start	34911	End	35304
Name	OJ991008_03.0207.C29.o2.ts	Method	TBLASTX:Soybean
Start	22640	End	26913
GI	none	Score	86
Exons	22640..22708, 23131..23271, 23133..23279, 23133..23279, 23143..23280, 23357..23389, 23359..23388, 23368..23481, 23386..23481, 23387..23482, 26407..26508, 26659..26763, 26833..26913		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68418	Strand	-
Start	34911	End	35304
Name	OJ991008_03.0207.C29.o2.tc	Method	TBLASTX:Cress
Start	22643	End	26913
GI	none	Score	79
Exons	22643..22705, 23101..23271, 23136..23279, 23139..23279, 23143..23280, 23386..23481, 23386..23481, 26407..26523, 26833..26913		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68418	Strand	-
Start	34911	End	35304
Name	OJ991008_03.0207.C29.o2.tm	Method	TBLASTX:Maize
Start	22646	End	23490
GI	none	Score	123
Exons	22646..22708, 23073..23279, 23130..23279, 23131..23280, 23357..23482, 23357..23482, 23359..23490, 23359..23490		

Seq. No.	32987	Seq. ID	OJ991008_03.0207.C29
Gene No.	68418	Strand	-

Start	34911	End	35304
Name	OJ991008_03.0207.C29.o7.gp	Method	AAT/GAP
Start	34911	End	35304
GI	none	Score	746
Exons	34911..35304		

Seq. No.	32988	Seq. ID	OJ991008_03.0207.C30
Gene No.	68419	Strand	+
Start	295	End	5276
Name	OJ991008_03.0207.C30.o1.np	Method	AAT/NAP
Start	295	End	5276
GI	6014424	Score	391
Exons	295..386, 1307..1343, 1829..1972, 2079..2161, 2266..2380, 2914..3005, 3163..3217, 3294..3415, 3493..3606, 3754..3950, 5246..5276		
GI Descrip.	(AL121764) putative ATP-dependent RNA helicase [Schizosaccharomyces pombe]		

Seq. No.	32988	Seq. ID	OJ991008_03.0207.C30
Gene No.	68419	Strand	+
Start	295	End	5276
Name	OJ991008_03.0207.C30.o1.gs	Method	GENSCAN
Start	772	End	4717
GI	none	Score	76
Exons	772..834, 923..1181, 1197..1343, 1829..1972, 2914..3005, 3163..3217, 3294..3439, 3493..3606, 3754..3947, 4590..4717		

Seq. No.	32989	Seq. ID	OJ991008_03.0207.C31
Gene No.	68420	Strand	+
Start	1	End	5456
Name	OJ991008_03.0207.C31.o1.np	Method	AAT/NAP
Start	1	End	4722
GI	6014424	Score	135
Exons	1..37, 1355..1534, 4702..4722		
GI Descrip.	(AL121764) putative ATP-dependent RNA helicase [Schizosaccharomyces pombe]		

Seq. No.	32989	Seq. ID	OJ991008_03.0207.C31
Gene No.	68420	Strand	+
Start	1	End	5456
Name	OJ991008_03.0207.C31.o1.gs	Method	GENSCAN
Start	1355	End	5456
GI	none	Score	55
Exons	1355..1481, 1857..2152, 2240..2300, 2712..2740, 2857..3177, 3375..3798, 4176..4308, 4937..5456		

Seq. No.	32989	Seq. ID	OJ991008_03.0207.C31
Gene No.	68421	Strand	-
Start	7219	End	15043
Name	OJ991008_03.0207.C31.o1.tm	Method	TBLASTX:Maize
Start	3441	End	5266
GI	none	Score	105
Exons	3441..3596, 3443..3598, 3444..3599, 3606..3749, 3615..3743, 3616..3768, 4149..4175, 4149..4241, 4151..4246, 4175..4309, 4251..4307, 4819..5055, 4929..5000, 4936..5025, 5020..5079, 5085..5114, 5148..5264, 5180..5266		

Seq. No.	32989	Seq. ID	OJ991008_03.0207.C31
Gene No.	68421	Strand	-
Start	7219	End	15043
Name	OJ991008_03.0207.C31.o2.gs	Method	GENSCAN
Start	7219	End	15043
GI	none	Score	.44
Exons	7219..7304, 7803..7892, 11650..11723, 11901..11976, 13392..13496, 13513..13587, 14065..14098, 14993..15043		

Seq. No.	32990	Seq. ID	OJ991008_03.0207.C32
Gene No.	68422	Strand	+
Start	4723	End	6282
Name	OJ991008_03.0207.C32.o1.gp	Method	AAT/GAP
Start	4723	End	5212
GI	uC-osflm202106g04b1	Score	676
Exons	4723..5007, 5116..5212		
GI Descrip.	'3941412 1.0e-37 (AF062860) putative transcription factor [Arabidopsis thaliana]'		

Seq. No.	32990	Seq. ID	OJ991008_03.0207.C32
Gene No.	68422	Strand	+
Start	4723	End	6282
Name	OJ991008_03.0207.C32.o1.np	Method	AAT/NAP
Start	4875	End	6282
GI	2605619	Score	691
Exons	4875..5007, 5116..5245, 5422..5589, 5669..5946, 6157..6282		
GI Descrip.	(D88618) OSMYB2 [Oryza sativa]		

Seq. No.	32990	Seq. ID	OJ991008_03.0207.C32
Gene No.	68423	Strand	+
Start	6774	End	12183
Name	OJ991008_03.0207.C32.o2.np	Method	AAT/NAP
Start	6774	End	11408
GI	4680203	Score	3342
Exons	6774..6815, 8098..9770, 9924..10154, 10431..11408		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	32990	Seq. ID	OJ991008_03.0207.C32
Gene No.	68423	Strand	+
Start	6774	End	12183
Name	OJ991008_03.0207.C32.o3.gp	Method	AAT/GAP
Start	8102	End	12183
GI	342_1.R1084	Score	5933
Exons	8102..11506, 11537..11708, 11920..12183		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	32990	Seq. ID	OJ991008_03.0207.C32
Gene No.	68424	Strand	+
Start	12234	End	15928
Name	OJ991008_03.0207.C32.o3.np	Method	AAT/NAP
Start	12234	End	15928
GI	4680204	Score	1062
Exons	12234..13670, 13745..14841, 14951..15124, 15221..15440, 15791..15928		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	32990	Seq. ID	OJ991008_03.0207.C32
Gene No.	68425	Strand	-
Start	906	End	11354
Name	OJ991008_03.0207.C32.o1.gs	Method	GENSCAN
Start	906	End	1228
GI	none	Score	.81
Exons	906..1047, 1202..1228		

Seq. No.	32990	Seq. ID	OJ991008_03.0207.C32
Gene No.	68425	Strand	-
Start	906	End	11354
Name	OJ991008_03.0207.C32.o2.tm	Method	TBLASTX:Maize
Start	1014	End	10394
GI	none	Score	318
Exons	1014..1064, 1122..1175, 10080..10394, 10091..10366, 10164..10394		

Seq. No.	32990	Seq. ID	OJ991008_03.0207.C32
Gene No.	68425	Strand	-
Start	906	End	11354
Name	OJ991008_03.0207.C32.o1.tm	Method	TBLASTX:Maize
Start	4859	End	5548
GI	none	Score	165
Exons	4859..5008, 4872..5012, 4874..5008, 5114..5248, 5115..5246, 5420..5548, 5434..5547		

Seq. No.	32990	Seq. ID	OJ991008_03.0207.C32
Gene No.	68425	Strand	-
Start	906	End	11354
Name	OJ991008_03.0207.C32.o3.tw	Method	TBLASTX:Wheat
Start	4868	End	5536
GI	none	Score	251
Exons	4868..5008, 4869..5012, 5114..5248, 5115..5246, 5120..5272, 5419..5487, 5420..5536, 5434..5535		

Seq. No.	32990	Seq. ID	OJ991008_03.0207.C32
Gene No.	68425	Strand	-
Start	906	End	11354
Name	OJ991008_03.0207.C32.o1.tc	Method	TBLASTX:Cress
Start	4871	End	5545
GI	none	Score	251
Exons	4871..5008, 4872..5012, 5114..5248, 5115..5246, 5420..5545, 5434..5526		

Seq. No.	32990	Seq. ID	OJ991008_03.0207.C32
Gene No.	68425	Strand	-
Start	906	End	11354
Name	OJ991008_03.0207.C32.o1.ts	Method	TBLASTX:Soybean
Start	4871	End	5548
GI	none	Score	244
Exons	4871..5008, 4872..5012, 5114..5266, 5115..5246, 5420..5548, 5434..5547		

Seq. No.	32990	Seq. ID	OJ991008_03.0207.C32
Gene No.	68425	Strand	-
Start	906	End	11354
Name	OJ991008_03.0207.C32.o5.tw	Method	TBLASTX:Wheat
Start	8449	End	8805

GI	none	Score	104
Exons	8449..8556, 8539..8790, 8541..8789, 8548..8805, 8549..8800		

Seq. No.	32990	Seq. ID	OJ991008_03.0207.C32
Gene No.	68425	Strand	-
Start	906	End	11354
Name	OJ991008_03.0207.C32.o2.ts	Method	TBLASTX:Soybean
Start	8721	End	9135
GI	none	Score	102
Exons	8721..8804, 8722..8796, 8797..8859, 8854..9135, 8908..9132		

Seq. No.	32990	Seq. ID	OJ991008_03.0207.C32
Gene No.	68425	Strand	-
Start	906	End	11354
Name	OJ991008_03.0207.C32.o3.tc	Method	TBLASTX:Cress
Start	8883	End	9230
GI	none	Score	230
Exons	8883..9035, 8890..9198, 9075..9179, 9144..9230		

Seq. No.	32990	Seq. ID	OJ991008_03.0207.C32
Gene No.	68425	Strand	-
Start	906	End	11354
Name	OJ991008_03.0207.C32.o2.tw	Method	TBLASTX:Wheat
Start	9019	End	9487
GI	none	Score	72
Exons	9019..9072, 9027..9071, 9073..9135, 9084..9134, 9131..9172, 9132..9176, 9180..9278, 9185..9277, 9258..9482, 9278..9487, 9281..9487		

Seq. No.	32990	Seq. ID	OJ991008_03.0207.C32
Gene No.	68425	Strand	-
Start	906	End	11354
Name	OJ991008_03.0207.C32.o3.tm	Method	TBLASTX:Maize
Start	9064	End	9521
GI	none	Score	50
Exons	9064..9135, 9076..9138, 9131..9316, 9141..9317, 9141..9317, 9327..9521		

Seq. No.	32990	Seq. ID	OJ991008_03.0207.C32
Gene No.	68425	Strand	-
Start	906	End	11354
Name	OJ991008_03.0207.C32.o3.ts	Method	TBLASTX:Soybean
Start	9351	End	9593
GI	none	Score	211
Exons	9351..9593		

Seq. No.	32990	Seq. ID	OJ991008_03.0207.C32
Gene No.	68425	Strand	-
Start	906	End	11354
Name	OJ991008_03.0207.C32.o4.tw	Method	TBLASTX:Wheat
Start	9626	End	10036
GI	none	Score	87
Exons	9626..9676, 9627..9689, 9695..9877, 9699..9917, 9706..9918, 9945..10034, 9950..10036, 9951..10034		

Seq. No.	32990	Seq. ID	OJ991008_03.0207.C32
Gene No.	68425	Strand	-

Start	906	End	11354
Name	OJ991008_03.0207.C32.o1.tw	Method	TBLASTX:Wheat
Start	10037	End	11354
GI	none	Score	886
Exons	10037..10939, 10038..10955, 10623..10940, 10950..10994, 10954..10989, 10997..11092, 11001..11060, 11039..11179, 11040..11180, 11193..11273, 11262..11354		

Seq. No.	32990	Seq. ID	OJ991008_03.0207.C32
Gene No.	68425	Strand	-
Start	906	End	11354
Name	OJ991008_03.0207.C32.o2.tc	Method	TBLASTX:Cress
Start	10321	End	10773
GI	none	Score	175
Exons	10321..10503, 10325..10762, 10325..10768, 10329..10772, 10335..10772, 10522..10773		

Seq. No.	32990	Seq. ID	OJ991008_03.0207.C32
Gene No.	68426	Strand	
Start	12877	End	13280
Name	OJ991008_03.0207.C32.o6.tw	Method	TBLASTX:Wheat
Start	12877	End	13280
GI	none	Score	62
Exons	12877..13017, 12877..12987, 12879..13115, 12879..13028, 12980..13147, 13110..13280		

Seq. No.	32990	Seq. ID	OJ991008_03.0207.C32
Gene No.	68427	Strand	
Start	14768	End	15290
Name	OJ991008_03.0207.C32.o7.tw	Method	TBLASTX:Wheat
Start	14768	End	15290
GI	none	Score	60
Exons	14768..14848, 14937..15119, 14987..15112, 15219..15290		

Seq. No.	32991	Seq. ID	OJ991008_03.0207.C33
Gene No.	68428	Strand	-
Start	354	End	455
Name	OJ991008_03.0207.C33.o1.gs	Method	GENSCAN
Start	354	End	455
GI	none	Score	.53
Exons	354..455		

Seq. No.	32992	Seq. ID	OJ991008_03.0207.C34
Gene No.	68429	Strand	+
Start	9613	End	9800
Name	OJ991008_03.0207.C34.o1.gp	Method	AAT/GAP
Start	9613	End	9800
GI	uC-osrocyp016g02b1	Score	357
Exons	9613..9800		
GI Descrip.	'1931647 1.0e-31 (U95973) endomembrane protein EMP70 precusor isolog [Arabidopsis thaliana]'		

Seq. No.	32993	Seq. ID	OJ991008_03.0207.C35
Gene No.	68430	Strand	-
Start	248	End	280
Name	OJ991008_03.0207.C35.o1.gs	Method	GENSCAN
Start	248	End	280

GI	none	Score	.56
Exons	248..280		

Seq. No.	32994	Seq. ID	OJ991008_03.0207.C36
Gene No.	68431	Strand	-
Start	602	End	7425
Name	OJ991008_03.0207.C36.o1.gs	Method	GENSCAN
Start	602	End	7239
GI	none	Score	.56
Exons	602..682, 775..888, 1190..1265, 1303..1352, 1710..3205, 3248..4844, 5082..5265, 5316..6275, 6705..6740, 6820..7239		

Seq. No.	32994	Seq. ID	OJ991008_03.0207.C36
Gene No.	68431	Strand	-
Start	602	End	7425
Name	OJ991008_03.0207.C36.o1.np	Method	AAT/NAP
Start	1718	End	6275
GI	4680179	Score	7662
Exons	1718..6275		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	32994	Seq. ID	OJ991008_03.0207.C36
Gene No.	68431	Strand	-
Start	602	End	7425
Name	OJ991008_03.0207.C36.o7.tm	Method	TBLASTX:Maize
Start	1741	End	1938
GI	none	Score	197
Exons	1741..1938		

Seq. No.	32994	Seq. ID	OJ991008_03.0207.C36
Gene No.	68431	Strand	-
Start	602	End	7425
Name	OJ991008_03.0207.C36.o6.tw	Method	TBLASTX:Wheat
Start	1762	End	2095
GI	none	Score	72
Exons	1762..2094, 1783..1944, 1826..2002, 1987..2067, 2024..2095		

Seq. No.	32994	Seq. ID	OJ991008_03.0207.C36
Gene No.	68431	Strand	-
Start	602	End	7425
Name	OJ991008_03.0207.C36.o1.tm	Method	TBLASTX:Maize
Start	1942	End	2541
GI	none	Score	249
Exons	1942..2382, 1955..2380, 2380..2541, 2387..2533		

Seq. No.	32994	Seq. ID	OJ991008_03.0207.C36
Gene No.	68431	Strand	-
Start	602	End	7425
Name	OJ991008_03.0207.C36.o1.tw	Method	TBLASTX:Wheat
Start	2095	End	2721
GI	none	Score	365
Exons	2095..2721, 2096..2719		

Seq. No.	32994	Seq. ID	OJ991008_03.0207.C36
Gene No.	68431	Strand	-
Start	602	End	7425
Name	OJ991008_03.0207.C36.o3.tm	Method	TBLASTX:Maize

Start	2590	End	2881
GI	none	Score	225
Exons	2590..2880, 2594..2881		

Seq. No.	32994	Seq. ID	OJ991008_03.0207.C36
Gene No.	68431	Strand	-
Start	602	End	7425
Name	OJ991008_03.0207.C36.o2.ts	Method	TBLASTX:Soybean
Start	2680	End	2940
GI	none	Score	154
Exons	2680..2940, 2681..2935		

Seq. No.	32994	Seq. ID	OJ991008_03.0207.C36
Gene No.	68431	Strand	-
Start	602	End	7425
Name	OJ991008_03.0207.C36.o1.tc	Method	TBLASTX:Cress
Start	2704	End	3021
GI	none	Score	88
Exons	2704..2847, 2705..2845, 2848..3021		

Seq. No.	32994	Seq. ID	OJ991008_03.0207.C36
Gene No.	68431	Strand	-
Start	602	End	7425
Name	OJ991008_03.0207.C36.o3.tw	Method	TBLASTX:Wheat
Start	2728	End	3204
GI	none	Score	245
Exons	2728..3204, 2729..2983, 2761..3174		

Seq. No.	32994	Seq. ID	OJ991008_03.0207.C36
Gene No.	68431	Strand	-
Start	602	End	7425
Name	OJ991008_03.0207.C36.o2.tw	Method	TBLASTX:Wheat
Start	3205	End	3720
GI	none	Score	256
Exons	3205..3720, 3295..3642, 3377..3688		

Seq. No.	32994	Seq. ID	OJ991008_03.0207.C36
Gene No.	68431	Strand	-
Start	602	End	7425
Name	OJ991008_03.0207.C36.o2.tm	Method	TBLASTX:Maize
Start	3283	End	3648
GI	none	Score	165
Exons	3283..3594, 3290..3487, 3295..3648, 3380..3646		

Seq. No.	32994	Seq. ID	OJ991008_03.0207.C36
Gene No.	68431	Strand	-
Start	602	End	7425
Name	OJ991008_03.0207.C36.o3.ts	Method	TBLASTX:Soybean
Start	3469	End	3714
GI	none	Score	202
Exons	3469..3714		

Seq. No.	32994	Seq. ID	OJ991008_03.0207.C36
Gene No.	68431	Strand	-
Start	602	End	7425
Name	OJ991008_03.0207.C36.o4.tm	Method	TBLASTX:Maize
Start	3685	End	4185

GI	none	Score	64
Exons	3685..4020, 3691..3930, 3803..3934, 4006..4185		

Seq. No.	32994	Seq. ID	OJ991008_03.0207.C36
Gene No.	68431	Strand	-
Start	602	End	7425
Name	OJ991008_03.0207.C36.o5.tw	Method	TBLASTX:Wheat
Start	3721	End	4023
GI	none	Score	268
Exons	3721..4023, 3722..4003, 3921..4022		

Seq. No.	32994	Seq. ID	OJ991008_03.0207.C36
Gene No.	68431	Strand	-
Start	602	End	7425
Name	OJ991008_03.0207.C36.o1.ts	Method	TBLASTX:Soybean
Start	3736	End	4131
GI	none	Score	192
Exons	3736..4095, 3737..4000, 4015..4095, 4099..4131, 4100..4129		

Seq. No.	32994	Seq. ID	OJ991008_03.0207.C36
Gene No.	68431	Strand	-
Start	602	End	7425
Name	OJ991008_03.0207.C36.o4.tw	Method	TBLASTX:Wheat
Start	4072	End	4554
GI	none	Score	252
Exons	4072..4554, 4115..4450		

Seq. No.	32994	Seq. ID	OJ991008_03.0207.C36
Gene No.	68431	Strand	-
Start	602	End	7425
Name	OJ991008_03.0207.C36.o4.ts	Method	TBLASTX:Soybean
Start	4204	End	4518
GI	none	Score	59
Exons	4204..4518, 4205..4402		

Seq. No.	32994	Seq. ID	OJ991008_03.0207.C36
Gene No.	68431	Strand	-
Start	602	End	7425
Name	OJ991008_03.0207.C36.o5.tm	Method	TBLASTX:Maize
Start	4253	End	4542
GI	none	Score	165
Exons	4253..4444, 4255..4542		

Seq. No.	32994	Seq. ID	OJ991008_03.0207.C36
Gene No.	68431	Strand	-
Start	602	End	7425
Name	OJ991008_03.0207.C36.o8.tw	Method	TBLASTX:Wheat
Start	4717	End	5133
GI	none	Score	99
Exons	4717..4902, 4718..4873, 4924..5133, 4985..5098		

Seq. No.	32994	Seq. ID	OJ991008_03.0207.C36
Gene No.	68431	Strand	-
Start	602	End	7425
Name	OJ991008_03.0207.C36.o8.tm	Method	TBLASTX:Maize
Start	4816	End	5136
GI	none	Score	72

Exons	4816..5136, 4991..5092		
Seq. No.	32994	Seq. ID	OJ991008_03.0207.C36
Gene No.	68431	Strand	-
Start	602	End	7425
Name	OJ991008_03.0207.C36.o6.tm	Method	TBLASTX:Maize
Start	5472	End	5768
GI	none	Score	105
Exons	5472..5768, 5484..5768, 5581..5751		
Seq. No.	32994	Seq. ID	OJ991008_03.0207.C36
Gene No.	68431	Strand	-
Start	602	End	7425
Name	OJ991008_03.0207.C36.o7.tw	Method	TBLASTX:Wheat
Start	5652	End	6012
GI	none	Score	97
Exons	5652..6008, 5656..5883, 5908..6012		
Seq. No.	32994	Seq. ID	OJ991008_03.0207.C36
Gene No.	68431	Strand	-
Start	602	End	7425
Name	OJ991008_03.0207.C36.o2.np	Method	AAT/NAP
Start	6529	End	7425
GI	5042448	Score	1215
Exons	6529..6824, 6864..7425		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		
Seq. No.	32995	Seq. ID	OJ991008_03.0207.C40
Gene No.	68432	Strand	+
Start	227	End	416
Name	OJ991008_03.0207.C40.o1.gs	Method	GENSCAN
Start	227	End	416
GI	none	Score	.48
Exons	227..416		
Seq. No.	32996	Seq. ID	OJ991008_03.0207.C42
Gene No.	68433	Strand	+
Start	1	End	136
Name	OJ991008_03.0207.C42.o1.np	Method	AAT/NAP
Start	1	End	136
GI	4680180	Score	126
Exons	1..136		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	32996	Seq. ID	OJ991008_03.0207.C42
Gene No.	68434	Strand	-
Start	14	End	66
Name	OJ991008_03.0207.C42.o1.gs	Method	GENSCAN
Start	14	End	66
GI	none	Score	.51
Exons	14..66		
Seq. No.	32997	Seq. ID	OJ991008_03.0207.C43
Gene No.	68435	Strand	-
Start	119	End	545
Name	OJ991008_03.0207.C43.o1.gs	Method	GENSCAN

Start	119	End	545
GI	none	Score	.62
Exons	119..545		

Seq. No.	32998	Seq. ID	OJ991008_03.0207.C44
Gene No.	68436	Strand	+
Start	438	End	706
Name	OJ991008_03.0207.C44.o1.np	Method	AAT/NAP
Start	438	End	706
GI	6721512	Score	77
Exons	438..529, 557..706		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	32999	Seq. ID	OJ991008_03.0207.C45
Gene No.	68437	Strand	+
Start	406	End	597
Name	OJ991008_03.0207.C45.o1.gs	Method	GENSCAN
Start	406	End	597
GI	none	Score	.74
Exons	406..418, 521..597		

Seq. No.	33000	Seq. ID	OJ991008_03.0207.C46
Gene No.	68438	Strand	+
Start	72	End	174
Name	OJ991008_03.0207.C46.o1.tm	Method	TBLASTX:Maize
Start	1	End	156
GI	none	Score	234
Exons	1..156, 3..155		

Seq. No.	33000	Seq. ID	OJ991008_03.0207.C46
Gene No.	68438	Strand	+
Start	72	End	174
Name	OJ991008_03.0207.C46.o1.gs	Method	GENSCAN
Start	72	End	174
GI	none	Score	.87
Exons	72..174		

Seq. No.	33001	Seq. ID	OJ991008_03.0207.C47
Gene No.	68439	Strand	+
Start	900	End	1082
Name	OJ991008_03.0207.C47.o1.gp	Method	AAT/GAP
Start	900	End	1082
GI	none	Score	343
Exons	900..1082		

Seq. No.	33001	Seq. ID	OJ991008_03.0207.C47
Gene No.	68440	Strand	-
Start	589	End	1021
Name	OJ991008_03.0207.C47.o1.gs	Method	GENSCAN
Start	589	End	1021
GI	none	Score	.84
Exons	589..661, 917..1021		

Seq. No.	33002	Seq. ID	OJ991008_03.0207.C49
Gene No.	68441	Strand	+
Start	108	End	158
Name	OJ991008_03.0207.C49.o1.gs	Method	GENSCAN

Start	108	End	158
GI	none	Score	.55
Exons	108..158		

Seq. No.	33003	Seq. ID	OJ991008_03.0207.C50
Gene No.	68442	Strand	+
Start	185	End	330
Name	OJ991008_03.0207.C50.o1.gs	Method	GENSCAN
Start	185	End	330
GI	none	Score	.89
Exons	185..330		

Seq. No.	33003	Seq. ID	OJ991008_03.0207.C50
Gene No.	68443	Strand	-
Start	63	End	642
Name	OJ991008_03.0207.C50.o1.np	Method	AAT/NAP
Start	63	End	642
GI	6907088	Score	505
Exons	63..469, 611..642		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	33004	Seq. ID	OJ991028_02.0207.C2
Gene No.	68444	Strand	-
Start	1	End	589
Name	OJ991028_02.0207.C2.o1.np	Method	AAT/NAP
Start	1	End	589
GI	6498441	Score	943
Exons	1..589		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	33004	Seq. ID	OJ991028_02.0207.C2
Gene No.	68444	Strand	-
Start	1	End	589
Name	OJ991028_02.0207.C2.o1.tw	Method	TBLASTX:Wheat
Start	212	End	550
GI	none	Score	96
Exons	212..469, 246..485, 452..550, 453..545		

Seq. No.	33004	Seq. ID	OJ991028_02.0207.C2
Gene No.	68444	Strand	-
Start	1	End	589
Name	OJ991028_02.0207.C2.o1.tm	Method	TBLASTX:Maize
Start	314	End	562
GI	none	Score	93
Exons	314..562, 315..464, 326..562		

Seq. No.	33005	Seq. ID	OJ991028_02.0207.C3
Gene No.	68445	Strand	+
Start	12	End	561
Name	OJ991028_02.0207.C3.o1.gs	Method	GENSCAN
Start	12	End	561
GI	none	Score	.67
Exons	12..71, 409..561		

Seq. No.	33005	Seq. ID	OJ991028_02.0207.C3

Gene No.	68446	Strand	-
Start	1	End	594
Name	OJ991028_02.0207.C3.o1.np	Method	AAT/NAP
Start	1	End	594
GI	5803259	Score	698
Exons	1..252, 295..594		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	33006	Seq. ID	OJ991028_02.0207.C4
Gene No.	68447	Strand	-
Start	10	End	245
Name	OJ991028_02.0207.C4.o1.gs	Method	GENSCAN
Start	10	End	245
GI	none	Score	.55
Exons	10..245		

Seq. No.	33007	Seq. ID	OJ991028_02.0207.C5
Gene No.	68448	Strand	+
Start	183	End	1021
Name	OJ991028_02.0207.C5.o1.gs	Method	GENSCAN
Start	183	End	1021
GI	none	Score	.8
Exons	183..209, 609..666, 964..1021		

Seq. No.	33008	Seq. ID	OJ991028_02.0207.C6
Gene No.	68449	Strand	+
Start	395	End	956
Name	OJ991028_02.0207.C6.o1.np	Method	AAT/NAP
Start	395	End	956
GI	5922623	Score	105
Exons	395..478, 853..956		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	33009	Seq. ID	OJ991028_02.0207.C7
Gene No.	68450	Strand	+
Start	1	End	504
Name	OJ991028_02.0207.C7.o1.np	Method	AAT/NAP
Start	1	End	504
GI	5803259	Score	683
Exons	1..504		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	33009	Seq. ID	OJ991028_02.0207.C7
Gene No.	68451	Strand	-
Start	42	End	427
Name	OJ991028_02.0207.C7.o1.gs	Method	GENSCAN
Start	42	End	427
GI	none	Score	.87
Exons	42..181, 424..427		

Seq. No.	33010	Seq. ID	OJ991028_02.0207.C8
Gene No.	68452	Strand	+
Start	1	End	214
Name	OJ991028_02.0207.C8.o1.gp	Method	AAT/GAP
Start	1	End	214

GI	uC-osroM202025g03a1	Score	310
Exons	1..214		
GI Descrip.	'4835767/gb|AAD30234.1|AC007202_16 7.0e-17 (AC007202) T8K14.16 [Arabidopsis thaliana]'		

Seq. No.	33010	Seq. ID	OJ991028_02.0207.C8
Gene No.	68453	Strand	-
Start	1	End	454
Name	OJ991028_02.0207.C8.o1.np	Method	AAT/NAP
Start	1	End	454
GI	6561156	Score	224
Exons	1..454		
GI Descrip.	(AF109693) allergen-like protein BRSn20 [Sambucus nigra]		

Seq. No.	33010	Seq. ID	OJ991028_02.0207.C8
Gene No.	68453	Strand	-
Start	1	End	454
Name	OJ991028_02.0207.C8.o1.tm	Method	TBLASTX:Maize
Start	72	End	389
GI	none	Score	47
Exons	72..143, 73..144, 119..388, 123..389		

Seq. No.	33010	Seq. ID	OJ991028_02.0207.C8
Gene No.	68453	Strand	-
Start	1	End	454
Name	OJ991028_02.0207.C8.o1.gs	Method	GENSCAN
Start	117	End	454
GI	none	Score	.84
Exons	117..454		

Seq. No.	33011	Seq. ID	OJ991028_02.0207.C10
Gene No.	68454	Strand	+
Start	5	End	141
Name	OJ991028_02.0207.C10.o1.gs	Method	GENSCAN
Start	5	End	141
GI	none	Score	1
Exons	5..141		

Seq. No.	33011	Seq. ID	OJ991028_02.0207.C10
Gene No.	68455	Strand	-
Start	1	End	96
Name	OJ991028_02.0207.C10.o1.np	Method	AAT/NAP
Start	1	End	96
GI	5803259	Score	156
Exons	1..96		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	33012	Seq. ID	OJ991028_02.0207.C11
Gene No.	68456	Strand	+
Start	328	End	427
Name	OJ991028_02.0207.C11.o1.gp	Method	AAT/GAP
Start	328	End	427
GI	LIB3477-003-P1-K1-E9	Score	169
Exons	328..427		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	33013	Seq. ID	OJ991028_02.0207.C14
Gene No.	68457	Strand	+
Start	105	End	143
Name	OJ991028_02.0207.C14.o1.gs	Method	GENSCAN
Start	105	End	143
GI	none	Score	.61
Exons	105..143		

Seq. No.	33014	Seq. ID	OJ991028_02.0207.C15
Gene No.	68458	Strand	+
Start	944	End	12393
Name	OJ991028_02.0207.C15.o1.gs	Method	GENSCAN
Start	944	End	12393
GI	none	Score	.79
Exons	944..1039, 1762..1933, 2875..2990, 3246..3362, 3629..3727, 4167..4214, 4510..4578, 4687..4762, 5319..5449, 5748..5807, 6454..6504, 6954..7014, 7369..7481, 7588..7705, 7765..7826, 8290..8367, 8582..8719, 8814..8923, 9524..9713, 10743..10857, 10951..11063, 11115..11222, 11714..11845, 12069..12149, 12343..12393		

Seq. No.	33014	Seq. ID	OJ991028_02.0207.C15
Gene No.	68458	Strand	+
Start	944	End	12393
Name	OJ991028_02.0207.C15.o3.tm	Method	TBLASTX:Maize
Start	1761	End	2961
GI	none	Score	159
Exons	1761..1931, 1762..1932, 1771..1932, 2873..2953, 2874..2954, 2875..2961		

Seq. No.	33014	Seq. ID	OJ991028_02.0207.C15
Gene No.	68458	Strand	+
Start	944	End	12393
Name	OJ991028_02.0207.C15.o4.tm	Method	TBLASTX:Maize
Start	4162	End	5814
GI	none	Score	81
Exons	4162..4215, 4163..4216, 4164..4217, 4510..4581, 4518..4580, 4687..4764, 4689..4763, 5308..5451, 5319..5450, 5333..5452, 5742..5807, 5747..5809, 5749..5814		

Seq. No.	33014	Seq. ID	OJ991028_02.0207.C15
Gene No.	68458	Strand	+
Start	944	End	12393
Name	OJ991028_02.0207.C15.o2.tm	Method	TBLASTX:Maize
Start	7539	End	8349
GI	none	Score	83
Exons	7539..7616, 7545..7613, 7546..7617, 7546..7644, 7553..7645, 7667..7810, 7698..7826, 7713..7826, 7715..7828, 8289..8348, 8289..8348, 8290..8349		

Seq. No.	33014	Seq. ID	OJ991028_02.0207.C15
Gene No.	68458	Strand	+
Start	944	End	12393
Name	OJ991028_02.0207.C15.o2.ts	Method	TBLASTX:Soybean
Start	7785	End	8719
GI	none	Score	61

Exons	7785..7826, 8290..8367, 8448..8522, 8597..8719, 8623..8715		
Seq. No.	33014	Seq. ID	OJ991028_02.0207.C15
Gene No.	68458	Strand	+
Start	944	End	12393
Name	OJ991028_02.0207.C15.o1.ts	Method	TBLASTX:Soybean
Start	10739	End	11225
GI	none	Score	70
Exons	10739..10843, 10742..10855, 10743..10862, 10917..11063, 10949..11062, 11139..11225, 11150..11212		
Seq. No.	33014	Seq. ID	OJ991028_02.0207.C15
Gene No.	68458	Strand	+
Start	944	End	12393
Name	OJ991028_02.0207.C15.o1.tm	Method	TBLASTX:Maize
Start	10950	End	12006
GI	none	Score	95
Exons	10950..11063, 10950..11063, 11139..11225, 11139..11222, 11557..11637, 11557..11628, 11561..11638, 11561..11629, 11705..11875, 11712..11876, 11713..11847, 11728..11949, 11902..12006, 11919..11996		
Seq. No.	33015	Seq. ID	OJ991028_02.0207.C16
Gene No.	68459	Strand	+
Start	4077	End	4278
Name	OJ991028_02.0207.C16.o2.gp	Method	AAT/GAP
Start	4077	End	4278
GI	5003793	Score	383
Exons	4077..4278		
Seq. No.	33015	Seq. ID	OJ991028_02.0207.C16
Gene No.	68460	Strand	-
Start	1231	End	2782
Name	OJ991028_02.0207.C16.o1.gp	Method	AAT/GAP
Start	969	End	2782
GI	17726_1.R1084	Score	1111
Exons	969..1367, 1817..1859, 1942..1965, 2107..2160, 2667..2782		
GI Descrip.	'4557647/ref|NP_001528.1|pHSBP1| 3.0e-09 heat shock factor binding protein 1 >gi_3283409 (AF068754) heat shock factor binding protein 1 HSBP1 [Homo sapiens]'		
Seq. No.	33015	Seq. ID	OJ991028_02.0207.C16
Gene No.	68460	Strand	-
Start	1231	End	2782
Name	OJ991028_02.0207.C16.o1.gs	Method	GENSCAN
Start	1231	End	2573
GI	none	Score	.77
Exons	1231..1374, 1942..1965, 2107..2160, 2338..2411, 2426..2573		
Seq. No.	33015	Seq. ID	OJ991028_02.0207.C16
Gene No.	68461	Strand	-
Start	3338	End	3751
Name	OJ991028_02.0207.C16.o1.tw	Method	TBLASTX:Wheat
Start	1209	End	2785
GI	none	Score	147
Exons	1209..1367, 1233..1367, 1237..1368, 1816..1860, 1817..1891, 2103..2162, 2104..2166, 2665..2733, 2666..2689, 2734..2763,		

2735..2785

Seq. No.	33015	Seq. ID	OJ991028_02.0207.C16
Gene No.	68461	Strand	-
Start	3338	End	3751
Name	OJ991028_02.0207.C16.o2.gs	Method	GENSCAN
Start	3338	End	3751
GI	none	Score	.84
Exons	3338..3751		

Seq. No.	33016	Seq. ID	OJ991028_02.0207.C17
Gene No.	68462	Strand	+
Start	808	End	5149
Name	OJ991028_02.0207.C17.o1.gp	Method	AAT/GAP
Start	808	End	4482
GI	14077_1.R1084	Score	1528
Exons	808..931, 2658..2770, 3207..3278, 3377..3412, 3509..3554, 3709..3796, 3888..3945, 4159..4482		
GI Descrip.	'5903045/gb|AAD55604.1|AC008016_14 2.0e-79 (AC008016) Similar to gb_AF108945 signal peptidase 18 kDa subunit from Homo sapiens. ESTs gb_H76629, gb_H76949 and gb_H76216 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	33016	Seq. ID	OJ991028_02.0207.C17
Gene No.	68462	Strand	+
Start	808	End	5149
Name	OJ991028_02.0207.C17.o1.gs	Method	GENSCAN
Start	853	End	5149
GI	none	Score	.91
Exons	853..931, 2658..2770, 3207..3278, 3377..3412, 3709..3796, 4159..4265, 5069..5149		

Seq. No.	33016	Seq. ID	OJ991028_02.0207.C17
Gene No.	68462	Strand	+
Start	808	End	5149
Name	OJ991028_02.0207.C17.o1.np	Method	AAT/NAP
Start	853	End	4206
GI	5903045	Score	601
Exons	853..931, 2658..2770, 3207..3278, 3377..3412, 3509..3554, 3709..3796, 3888..3945, 4159..4206		
GI Descrip.	(AC008016) Similar to gb|AF108945 signal peptidase 18 kDa subunit from Homo sapiens. ESTs gb|H76629, gb|H76949 and gb|H76216 come from this gene. [Arabidopsis thaliana]		

Seq. No.	33016	Seq. ID	OJ991028_02.0207.C17
Gene No.	68463	Strand	-
Start	6472	End	8179
Name	OJ991028_02.0207.C17.o2.gs	Method	GENSCAN
Start	6472	End	8025
GI	none	Score	.49
Exons	6472..8025		

Seq. No.	33016	Seq. ID	OJ991028_02.0207.C17
Gene No.	68463	Strand	-
Start	6472	End	8179
Name	OJ991028_02.0207.C17.o3.np	Method	AAT/NAP
Start	6847	End	8179

GI	6957707	Score	379
Exons	6847..7174, 7202..7629, 8120..8179		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33016	Seq. ID	OJ991028_02.0207.C17
Gene No.	68464	Strand	-
Start	11530	End	13973
Name	OJ991028_02.0207.C17.o2.tm	Method	TBLASTX:Maize
Start	841	End	4205
GI	none	Score	93
Exons	841..933, 846..932, 846..938, 850..933, 2649..2768, 2656..2769, 2656..2799, 3158..3274, 3204..3278, 3206..3295, 3207..3308, 3374..3412, 3376..3414, 3377..3415, 3496..3555, 3506..3568, 3509..3568, 3706..3783, 3708..3797, 3708..3782, 3889..3945, 3891..3944, 3892..3945, 4158..4205		

Seq. No.	33016	Seq. ID	OJ991028_02.0207.C17
Gene No.	68464	Strand	-
Start	11530	End	13973
Name	OJ991028_02.0207.C17.o1.tc	Method	TBLASTX:Cress
Start	853	End	4205
GI	none	Score	95
Exons	853..933, 2656..2760, 2657..2770, 3204..3278, 3206..3277, 3362..3415, 3376..3414, 3496..3555, 3509..3568, 3708..3797, 3708..3797, 3722..3826, 3889..3945, 3891..3944, 4158..4205		

Seq. No.	33016	Seq. ID	OJ991028_02.0207.C17
Gene No.	68464	Strand	-
Start	11530	End	13973
Name	OJ991028_02.0207.C17.o3.ts	Method	TBLASTX:Soybean
Start	853	End	4101
GI	none	Score	97
Exons	853..933, 2655..2765, 2656..2799, 2657..2770, 3204..3278, 3206..3295, 3365..3415, 3377..3415, 3496..3555, 3509..3568, 3708..3797, 3708..3797, 3715..3798, 3889..3945, 3891..3944, 4039..4101		

Seq. No.	33016	Seq. ID	OJ991028_02.0207.C17
Gene No.	68464	Strand	-
Start	11530	End	13973
Name	OJ991028_02.0207.C17.o1.tm	Method	TBLASTX:Maize
Start	6537	End	13928
GI	none	Score	65
Exons	6537..6617, 6543..6608, 6758..6793, 6838..6894, 7033..7182, 7034..7165, 7240..7305, 7255..7293, 7342..7461, 7343..7459, 7498..7569, 7498..7602, 13749..13811, 13758..13928, 13783..13881		

Seq. No.	33016	Seq. ID	OJ991028_02.0207.C17
Gene No.	68464	Strand	-
Start	11530	End	13973
Name	OJ991028_02.0207.C17.o2.ts	Method	TBLASTX:Soybean
Start	6543	End	13931
GI	none	Score	74
Exons	6543..6608, 6553..6618, 13761..13931, 13786..13881		

Seq. No.	33016	Seq. ID	OJ991028_02.0207.C17
Gene No.	68464	Strand	-

Start	11530	End	13973
Name	OJ991028_02.0207.C17.o1.ts	Method	TBLASTX:Soybean
Start	6877	End	7602
GI	none	Score	63
Exons	6877..6987, 6958..7182, 7246..7314, 7342..7461, 7343..7447, 7498..7602, 7520..7600		

Seq. No.	33016	Seq. ID	OJ991028_02.0207.C17
Gene No.	68464	Strand	-
Start	11530	End	13973
Name	OJ991028_02.0207.C17.o2.tc	Method	TBLASTX:Cress
Start	7246	End	8729
GI	none	Score	65
Exons	7246..7311, 7342..7461, 7343..7459, 7492..7626, 8619..8729		

Seq. No.	33016	Seq. ID	OJ991028_02.0207.C17
Gene No.	68464	Strand	-
Start	11530	End	13973
Name	OJ991028_02.0207.C17.o3.gs	Method	GENSCAN
Start	11530	End	13925
GI	none	Score	.6
Exons	11530..11635, 11747..11906, 12137..12158, 12946..13149, 13352..13523, 13747..13925		

Seq. No.	33016	Seq. ID	OJ991028_02.0207.C17
Gene No.	68464	Strand	-
Start	11530	End	13973
Name	OJ991028_02.0207.C17.o4.np	Method	AAT/NAP
Start	13746	End	13973
GI	2194119	Score	142
Exons	13746..13973		
GI Descrip.	(AC002062) No definition line found [Arabidopsis thaliana]		

Seq. No.	33017	Seq. ID	OJ991028_02.0207.C18
Gene No.	68465	Strand	-
Start	1	End	2303
Name	OJ991028_02.0207.C18.o1.np	Method	AAT/NAP
Start	1	End	2303
GI	6957707	Score	299
Exons	1..30, 138..562, 2239..2303		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33017	Seq. ID	OJ991028_02.0207.C18
Gene No.	68465	Strand	-
Start	1	End	2303
Name	OJ991028_02.0207.C18.o1.tm	Method	TBLASTX:Maize
Start	141	End	432
GI	none	Score	75
Exons	141..203, 141..386, 142..219, 316..387, 390..431, 391..432		

Seq. No.	33017	Seq. ID	OJ991028_02.0207.C18
Gene No.	68465	Strand	-
Start	1	End	2303
Name	OJ991028_02.0207.C18.o1.ts	Method	TBLASTX:Soybean
Start	141	End	431
GI	none	Score	92
Exons	141..377, 142..222, 316..378, 402..431, 403..429		

Seq. No.	33017	Seq. ID	OJ991028_02.0207.C18
Gene No.	68465	Strand	-
Start	1	End	2303
Name	OJ991028_02.0207.C18.o1.tc	Method	TBLASTX:Cress
Start	142	End	434
GI	none	Score	68
Exons	142..225, 147..386, 402..434		

Seq. No.	33017	Seq. ID	OJ991028_02.0207.C18
Gene No.	68465	Strand	-
Start	1	End	2303
Name	OJ991028_02.0207.C18.o1.gs	Method	GENSCAN
Start	144	End	596
GI	none	Score	.91
Exons	144..596		

Seq. No.	33017	Seq. ID	OJ991028_02.0207.C18
Gene No.	68465	Strand	-
Start	1	End	2303
Name	OJ991028_02.0207.C18.o1.gp	Method	AAT/GAP
Start	147	End	727
GI	72428.1.R1084	Score	986
Exons	147..727		
GI Descrip.	'4454048/emb|CAA23045.1| 5.0e-11 (AL035394) putative protein [Arabidopsis thaliana]'		

Seq. No.	33018	Seq. ID	OJ991028_02.0207.C19
Gene No.	68466	Strand	+
Start	66	End	6781
Name	OJ991028_02.0207.C19.o1.gs	Method	GENSCAN
Start	66	End	6781
GI	none	Score	.48
Exons	66..103, 442..550, 606..3136, 3175..5231, 5283..6781		

Seq. No.	33018	Seq. ID	OJ991028_02.0207.C19
Gene No.	68466	Strand	+
Start	66	End	6781
Name	OJ991028_02.0207.C19.o1.np	Method	AAT/NAP
Start	1133	End	6778
GI	6498441	Score	6751
Exons	1133..2196, 2527..2990, 3053..3426, 3610..3744, 3919..4157, 4350..4834, 5006..6403, 6497..6778		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	33018	Seq. ID	OJ991028_02.0207.C19
Gene No.	68467	Strand	-
Start	7411	End	8368
Name	OJ991028_02.0207.C19.o6.tw	Method	TBLASTX:Wheat
Start	1281	End	1673
GI	none	Score	58
Exons	1281..1328, 1335..1433, 1352..1432, 1400..1639, 1416..1673		

Seq. No.	33018	Seq. ID	OJ991028_02.0207.C19
Gene No.	68467	Strand	-

Start	7411	End	8368
Name	OJ991028_02.0207.C19.o5.tm	Method	TBLASTX:Maize
Start	1286	End	1571
GI	none	Score	193
Exons	1286..1570, 1323..1571		

Seq. No.	33018	Seq. ID	OJ991028_02.0207.C19
Gene No.	68467	Strand	-
Start	7411	End	8368
Name	OJ991028_02.0207.C19.o3.tw	Method	TBLASTX:Wheat
Start	2411	End	2897
GI	none	Score	413
Exons	2411..2584, 2412..2897, 2606..2893		

Seq. No.	33018	Seq. ID	OJ991028_02.0207.C19
Gene No.	68467	Strand	-
Start	7411	End	8368
Name	OJ991028_02.0207.C19.o1.tw	Method	TBLASTX:Wheat
Start	3060	End	3523
GI	none	Score	93
Exons	3060..3236, 3061..3522, 3062..3523		

Seq. No.	33018	Seq. ID	OJ991028_02.0207.C19
Gene No.	68467	Strand	-
Start	7411	End	8368
Name	OJ991028_02.0207.C19.o3.ts	Method	TBLASTX:Soybean
Start	3101	End	3466
GI	none	Score	117
Exons	3101..3325, 3332..3466		

Seq. No.	33018	Seq. ID	OJ991028_02.0207.C19
Gene No.	68467	Strand	-
Start	7411	End	8368
Name	OJ991028_02.0207.C19.o1.tm	Method	TBLASTX:Maize
Start	3191	End	3547
GI	none	Score	392
Exons	3191..3547, 3226..3537, 3278..3547		

Seq. No.	33018	Seq. ID	OJ991028_02.0207.C19
Gene No.	68467	Strand	-
Start	7411	End	8368
Name	OJ991028_02.0207.C19.o3.tm	Method	TBLASTX:Maize
Start	3574	End	3958
GI	none	Score	360
Exons	3574..3939, 3575..3958		

Seq. No.	33018	Seq. ID	OJ991028_02.0207.C19
Gene No.	68467	Strand	-
Start	7411	End	8368
Name	OJ991028_02.0207.C19.o2.tw	Method	TBLASTX:Wheat
Start	3632	End	4056
GI	none	Score	488
Exons	3632..4051, 3637..4056		

Seq. No.	33018	Seq. ID	OJ991028_02.0207.C19
Gene No.	68467	Strand	-
Start	7411	End	8368

Name	OJ991028_02.0207.C19.o1.ts	Method	TBLASTX:Soybean
Start	3710	End	4081
GI	none	Score	271
Exons	3710..4081, 3727..3870		

Seq. No.	33018	Seq. ID	OJ991028_02.0207.C19
Gene No.	68467	Strand	-
Start	7411	End	8368
Name	OJ991028_02.0207.C19.o5.tw	Method	TBLASTX:Wheat
Start	4682	End	5140
GI	none	Score	234
Exons	4682..4930, 4706..4930, 4771..4944, 4991..5140, 5000..5137, 5002..5139		

Seq. No.	33018	Seq. ID	OJ991028_02.0207.C19
Gene No.	68467	Strand	-
Start	7411	End	8368
Name	OJ991028_02.0207.C19.o2.ts	Method	TBLASTX:Soybean
Start	4829	End	5395
GI	5666795	Score	68
Exons	4829..4927, 5003..5140, 5195..5395		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	33018	Seq. ID	OJ991028_02.0207.C19
Gene No.	68467	Strand	-
Start	7411	End	8368
Name	OJ991028_02.0207.C19.o8.tw	Method	TBLASTX:Wheat
Start	5143	End	5455
GI	none	Score	189
Exons	5143..5319, 5156..5344, 5195..5455		

Seq. No.	33018	Seq. ID	OJ991028_02.0207.C19
Gene No.	68467	Strand	-
Start	7411	End	8368
Name	OJ991028_02.0207.C19.o2.tm	Method	TBLASTX:Maize
Start	5648	End	5971
GI	none	Score	362
Exons	5648..5971, 5677..5958		

Seq. No.	33018	Seq. ID	OJ991028_02.0207.C19
Gene No.	68467	Strand	-
Start	7411	End	8368
Name	OJ991028_02.0207.C19.o4.tw	Method	TBLASTX:Wheat
Start	5785	End	6166
GI	none	Score	375
Exons	5785..5841, 5786..6166, 5887..6135		

Seq. No.	33018	Seq. ID	OJ991028_02.0207.C19
Gene No.	68467	Strand	-
Start	7411	End	8368
Name	OJ991028_02.0207.C19.o7.tw	Method	TBLASTX:Wheat
Start	6167	End	6769
GI	none	Score	265
Exons	6167..6451, 6172..6450, 6643..6765, 6644..6769		

Seq. No.	33018	Seq. ID	OJ991028_02.0207.C19
Gene No.	68467	Strand	-

Start	7411	End	8368
Name	OJ991028_02.0207.C19.o4.tm	Method	TBLASTX:Maize
Start	6638	End	6808
GI	none	Score	197
Exons	6638..6808, 6643..6807		

Seq. No.	33018	Seq. ID	OJ991028_02.0207.C19
Gene No.	68467	Strand	-
Start	7411	End	8368
Name	OJ991028_02.0207.C19.o2.gs	Method	GENSCAN
Start	7411	End	8345
GI	none	Score	.74
Exons	7411..7766, 7823..8345		

Seq. No.	33018	Seq. ID	OJ991028_02.0207.C19
Gene No.	68467	Strand	-
Start	7411	End	8368
Name	OJ991028_02.0207.C19.o2.np	Method	AAT/NAP
Start	7414	End	8368
GI	6907089	Score	1180
Exons	7414..8368		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	33019	Seq. ID	OJ991028_02.0207.C20
Gene No.	68468	Strand	+
Start	3115	End	3548
Name	OJ991028_02.0207.C20.o2.np	Method	AAT/NAP
Start	3065	End	3545
GI	5042454	Score	343
Exons	3065..3261, 3492..3545		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	33019	Seq. ID	OJ991028_02.0207.C20
Gene No.	68468	Strand	+
Start	3115	End	3548
Name	OJ991028_02.0207.C20.o2.gs	Method	GENSCAN
Start	3115	End	3548
GI	none	Score	.41
Exons	3115..3261, 3492..3548		

Seq. No.	33019	Seq. ID	OJ991028_02.0207.C20
Gene No.	68469	Strand	-
Start	1	End	1998
Name	OJ991028_02.0207.C20.o1.np	Method	AAT/NAP
Start	1	End	1998
GI	6907089	Score	2546
Exons	1..642, 737..1998		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	33019	Seq. ID	OJ991028_02.0207.C20
Gene No.	68469	Strand	-
Start	1	End	1998
Name	OJ991028_02.0207.C20.o1.gs	Method	GENSCAN
Start	150	End	1998
GI	none	Score	.77
Exons	150..642, 737..1998		

Seq. No.	33019	Seq. ID	OJ991028_02.0207.C20
Gene No.	68470	Strand	-
Start	3794	End	5584
Name	OJ991028_02.0207.C20.o3.np	Method	AAT/NAP
Start	3794	End	5486
GI	1118091	Score	70
Exons	3794..3868, 4143..4273, 5023..5124, 5294..5486		
GI Descrip.	(U41557) histidine-rich [Caenorhabditis elegans]		

Seq. No.	33019	Seq. ID	OJ991028_02.0207.C20
Gene No.	68470	Strand	-
Start	3794	End	5584
Name	OJ991028_02.0207.C20.o3.gs	Method	GENSCAN
Start	5005	End	5584
GI	none	Score	.53
Exons	5005..5159, 5278..5584		

Seq. No.	33019	Seq. ID	OJ991028_02.0207.C20
Gene No.	68471	Strand	
Start	6127	End	6578
Name	OJ991028_02.0207.C20.o1.tm	Method	TBLASTX:Maize
Start	6127	End	6578
GI	none	Score	150
Exons	6127..6270, 6384..6578		

Seq. No.	33020	Seq. ID	OJ991028_02.0207.C21
Gene No.	68472	Strand	-
Start	2247	End	2409
Name	OJ991028_02.0207.C21.o2.gs	Method	GENSCAN
Start	2247	End	2409
GI	none	Score	.52
Exons	2247..2409		

Seq. No.	33021	Seq. ID	OJ991028_02.0207.C22
Gene No.	68473	Strand	+
Start	151	End	685
Name	OJ991028_02.0207.C22.o1.gs	Method	GENSCAN
Start	151	End	685
GI	none	Score	.56
Exons	151..251, 333..459, 605..685		

Seq. No.	33021	Seq. ID	OJ991028_02.0207.C22
Gene No.	68474	Strand	+
Start	1803	End	2413
Name	OJ991028_02.0207.C22.o1.gp	Method	AAT/GAP
Start	1803	End	2413
GI	none	Score	1198
Exons	1803..2413		

Seq. No.	33021	Seq. ID	OJ991028_02.0207.C22
Gene No.	68475	Strand	-
Start	1566	End	2370
Name	OJ991028_02.0207.C22.o2.gs	Method	GENSCAN
Start	1566	End	2370
GI	none	Score	.62
Exons	1566..1744, 2322..2370		

Seq. No.	33022	Seq. ID	OJ991028_02.0207.C23
Gene No.	68476	Strand	+
Start	1	End	1558
Name	OJ991028_02.0207.C23.o1.np	Method	AAT/NAP
Start	1	End	1558
GI	1517814	Score	51
Exons	1..25, 1059..1229, 1512..1558		
GI Descrip.	(U31083) erythrocyte membrane protein 1 [Plasmodium falciparum]		

Seq. No.	33022	Seq. ID	OJ991028_02.0207.C23
Gene No.	68476	Strand	+
Start	1	End	1558
Name	OJ991028_02.0207.C23.o1.gs	Method	GENSCAN
Start	956	End	1003
GI	none	Score	.55
Exons	956..1003		

Seq. No.	33023	Seq. ID	OJ991028_02.0207.C24
Gene No.	68477	Strand	-
Start	411	End	1528
Name	OJ991028_02.0207.C24.o1.gs	Method	GENSCAN
Start	411	End	1528
GI	none	Score	.5
Exons	411..532, 842..881, 1209..1462, 1486..1528		

Seq. No.	33024	Seq. ID	OJ991028_02.0207.C25
Gene No.	68478	Strand	+
Start	1	End	1083
Name	OJ991028_02.0207.C25.o1.np	Method	AAT/NAP
Start	1	End	1083
GI	2191135	Score	344
Exons	1..69, 268..1083		
GI Descrip.	(AF007269) A_IG002N01.14 gene product [Arabidopsis thaliana]		

Seq. No.	33024	Seq. ID	OJ991028_02.0207.C25
Gene No.	68478	Strand	+
Start	1	End	1083
Name	OJ991028_02.0207.C25.o1.gs	Method	GENSCAN
Start	279	End	1073
GI	none	Score	.95
Exons	279..1073		

Seq. No.	33024	Seq. ID	OJ991028_02.0207.C25
Gene No.	68479	Strand	+
Start	1349	End	6022
Name	OJ991028_02.0207.C25.o2.np	Method	AAT/NAP
Start	1349	End	3669
GI	6957707	Score	579
Exons	1349..1428, 2756..3066, 3197..3669		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33024	Seq. ID	OJ991028_02.0207.C25
Gene No.	68479	Strand	+
Start	1349	End	6022
Name	OJ991028_02.0207.C25.o2.gs	Method	GENSCAN
Start	2584	End	4343
GI	none	Score	.85

Exons	2584..3066, 3197..3733, 3791..3925, 3951..4066, 4187..4343		
Seq. No.	33024	Seq. ID	OJ991028_02.0207.C25
Gene No.	68479	Strand	+
Start	1349	End	6022
Name	OJ991028_02.0207.C25.o3.np	Method	AAT/NAP
Start	3571	End	5717
GI	6957707	Score	464
Exons	3571..3598, 4960..5717		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	33024	Seq. ID	OJ991028_02.0207.C25
Gene No.	68479	Strand	+
Start	1349	End	6022
Name	OJ991028_02.0207.C25.o3.gs	Method	GENSCAN
Start	4764	End	6022
GI	none	Score	.45
Exons	4764..5036, 5174..6022		
Seq. No.	33024	Seq. ID	OJ991028_02.0207.C25
Gene No.	68479	Strand	+
Start	1349	End	6022
Name	OJ991028_02.0207.C25.o4.np	Method	AAT/NAP
Start	4960	End	5717
GI	6957707	Score	452
Exons	4960..5717		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	33024	Seq. ID	OJ991028_02.0207.C25
Gene No.	68480	Strand	+
Start	8088	End	11590
Name	OJ991028_02.0207.C25.o1.tm	Method	TBLASTX:Maize
Start	263	End	11589
GI	none	Score	109
Exons	263..391, 279..398, 408..569, 426..527, 579..608, 677..1018, 678..1061, 937..1020, 954..1052, 2781..3053, 2793..2924, 2794..3069, 2878..3063, 3227..3490, 3262..3495, 3620..3736, 3864..3896, 3867..3950, 3954..4061, 3954..4052, 3980..4060, 4961..4993, 4962..4994, 5004..5117, 5039..5086, 5118..5210, 5136..5213, 5168..5215, 5171..5212, 5215..5253, 5219..5254, 5282..5380, 5302..5379, 5338..5514, 5354..5509, 5506..5535, 5507..5536, 5549..5608, 5642..5788, 5671..5733, 5846..6022, 5855..6016, 5896..6060, 11466..11498, 11467..11499, 11509..11589, 11544..11588		
Seq. No.	33024	Seq. ID	OJ991028_02.0207.C25
Gene No.	68480	Strand	+
Start	8088	End	11590
Name	OJ991028_02.0207.C25.o1.ts	Method	TBLASTX:Soybean
Start	279	End	11586
GI	none	Score	94
Exons	279..419, 408..605, 2794..3072, 2799..2924, 2878..3072, 3259..3381, 3260..3511, 4962..4994, 5010..5117, 5118..5213, 5201..5254, 5381..5509, 5456..5608, 5645..5689, 11467..11499, 11515..11586		
Seq. No.	33024	Seq. ID	OJ991028_02.0207.C25

Gene No.	68480	Strand	+
Start	8088	End	11590
Name	OJ991028_02.0207.C25.o2.tc	Method	TBLASTX:Cress
Start	432	End	6016
GI	none	Score	127
Exons	432..569, 714..773, 888..938, 911..928, 972..1043, 974..1018, 3353..3490, 3867..3932, 3960..4061, 5396..5503, 5648..5740, 5849..5926, 5936..6016		

Seq. No.	33024	Seq. ID	OJ991028_02.0207.C25
Gene No.	68480	Strand	+
Start	8088	End	11590
Name	OJ991028_02.0207.C25.o2.ts	Method	TBLASTX:Soybean
Start	692	End	6013
GI	none	Score	147
Exons	692..835, 711..836, 888..1040, 914..1015, 969..1058, 3614..3736, 3867..3938, 3954..4049, 3962..4054, 5693..5788, 5846..6013, 5887..5994		

Seq. No.	33024	Seq. ID	OJ991028_02.0207.C25
Gene No.	68480	Strand	+
Start	8088	End	11590
Name	OJ991028_02.0207.C25.o1.tc	Method	TBLASTX:Cress
Start	2773	End	11586
GI	none	Score	314
Exons	2773..3063, 2991..3059, 4962..5003, 5016..5117, 5118..5210, 5219..5254, 11467..11499, 11521..11586		

Seq. No.	33024	Seq. ID	OJ991028_02.0207.C25
Gene No.	68480	Strand	+
Start	8088	End	11590
Name	OJ991028_02.0207.C25.o5.gs	Method	GENSCAN
Start	8088	End	10168
GI	none	Score	.82
Exons	8088..8147, 8808..8879, 9131..9185, 9712..9901, 10060..10168		

Seq. No.	33024	Seq. ID	OJ991028_02.0207.C25
Gene No.	68480	Strand	+
Start	8088	End	11590
Name	OJ991028_02.0207.C25.o5.np	Method	AAT/NAP
Start	10067	End	11590
GI	6957707	Score	78
Exons	10067..10095, 11408..11590		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33024	Seq. ID	OJ991028_02.0207.C25
Gene No.	68480	Strand	+
Start	8088	End	11590
Name	OJ991028_02.0207.C25.o6.gs	Method	GENSCAN
Start	11281	End	11570
GI	none	Score	.96
Exons	11281..11570		

Seq. No.	33025	Seq. ID	OJ991028_02.0207.C26
Gene No.	68481	Strand	+
Start	1	End	388
Name	OJ991028_02.0207.C26.o1.np	Method	AAT/NAP

Start	1	End	388
GI	2194119	Score	140
Exons	1..160, 197..388		
GI Descrip.	(AC002062) No definition line found [Arabidopsis thaliana]		

Seq. No.	33025	Seq. ID	OJ991028_02.0207.C26
Gene No.	68481	Strand	+
Start	1	End	388
Name	OJ991028_02.0207.C26.o1.gs	Method	GENSCAN
Start	107	End	379
GI	none	Score	.96
Exons	107..379		

Seq. No.	33025	Seq. ID	OJ991028_02.0207.C26
Gene No.	68482	Strand	+
Start	1056	End	1637
Name	OJ991028_02.0207.C26.o1.ts	Method	TBLASTX:Soybean
Start	3	End	370
GI	none	Score	106
Exons	3..92, 191..370, 244..351		

Seq. No.	33025	Seq. ID	OJ991028_02.0207.C26
Gene No.	68482	Strand	+
Start	1056	End	1637
Name	OJ991028_02.0207.C26.o1.tm	Method	TBLASTX:Maize
Start	21	End	393
GI	none	Score	81
Exons	21..92, 191..379, 212..373, 253..393		

Seq. No.	33025	Seq. ID	OJ991028_02.0207.C26
Gene No.	68482	Strand	+
Start	1056	End	1637
Name	OJ991028_02.0207.C26.o2.gs	Method	GENSCAN
Start	1056	End	1637
GI	none	Score	.89
Exons	1056..1234, 1538..1637		

Seq. No.	33026	Seq. ID	OJ991028_02.0207.C27
Gene No.	68483	Strand	+
Start	222	End	695
Name	OJ991028_02.0207.C27.o1.gs	Method	GENSCAN
Start	222	End	695
GI	none	Score	.49
Exons	222..344, 361..428, 539..695		

Seq. No.	33026	Seq. ID	OJ991028_02.0207.C27
Gene No.	68484	Strand	-
Start	1581	End	1832
Name	OJ991028_02.0207.C27.o2.gs	Method	GENSCAN
Start	1581	End	1832
GI	none	Score	.81
Exons	1581..1832		

Seq. No.	33027	Seq. ID	OJ991028_02.0207.C28
Gene No.	68485	Strand	-
Start	202	End	2064
Name	OJ991028_02.0207.C28.o1.gs	Method	GENSCAN

Start	202	End	1821
GI	none	Score	.77
Exons	202..325, 403..780, 1253..1821		

Seq. No.	33027	Seq. ID	OJ991028_02.0207.C28
Gene No.	68485	Strand	-
Start	202	End	2064
Name	OJ991028_02.0207.C28.o1.np	Method	AAT/NAP
Start	517	End	2064
GI	479357	Score	767
Exons	517..2064		
GI Descrip.	hypothetical protein 612 - maize transposon MuA2 gi|22375|emb|CAA44165| (X62251) ORF [Zea mays]		

Seq. No.	33027	Seq. ID	OJ991028_02.0207.C28
Gene No.	68485	Strand	-
Start	202	End	2064
Name	OJ991028_02.0207.C28.o2.tm	Method	TBLASTX:Maize
Start	603	End	992
GI	none	Score	97
Exons	603..797, 604..750, 789..992		

Seq. No.	33027	Seq. ID	OJ991028_02.0207.C28
Gene No.	68485	Strand	-
Start	202	End	2064
Name	OJ991028_02.0207.C28.o1.tm	Method	TBLASTX:Maize
Start	1024	End	1677
GI	none	Score	65
Exons	1024..1296, 1027..1293, 1303..1428, 1303..1653, 1334..1648, 1453..1677		

Seq. No.	33028	Seq. ID	OJ991028_02.0207.C29
Gene No.	68486	Strand	+
Start	10061	End	10771
Name	OJ991028_02.0207.C29.o2.tw	Method	TBLASTX:Wheat
Start	8923	End	9195
GI	none	Score	58
Exons	8923..8964, 8980..9195		

Seq. No.	33028	Seq. ID	OJ991028_02.0207.C29
Gene No.	68486	Strand	+
Start	10061	End	10771
Name	OJ991028_02.0207.C29.o2.np	Method	AAT/NAP
Start	10061	End	10771
GI	2522230	Score	336
Exons	10061..10771		
GI Descrip.	(AB007467) retrotransposon-like gene; the first amino acid was determined to be leucine [Vicia faba]		

Seq. No.	33028	Seq. ID	OJ991028_02.0207.C29
Gene No.	68486	Strand	+
Start	10061	End	10771
Name	OJ991028_02.0207.C29.o1.tw	Method	TBLASTX:Wheat
Start	10091	End	10462
GI	none	Score	112
Exons	10091..10234, 10277..10462, 10348..10461		

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3
Gene No.	68487	Strand	+
Start	77	End	2540
Name	OJ991208_05.0204.C3.o1.gs	Method	GENSCAN
Start	77	End	2064
GI	none	Score	.91
Exons	77..107, 340..500, 690..783, 1067..1117, 1329..1391, 1697..1759, 1975..2064		

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3
Gene No.	68487	Strand	+
Start	77	End	2540
Name	OJ991208_05.0204.C3.o1.np	Method	AAT/NAP
Start	691	End	1129
GI	4455255	Score	106
Exons	691..783, 1067..1129		
GI Descrip.	(AL035523) putative protein [Arabidopsis thaliana]		

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3
Gene No.	68487	Strand	+
Start	77	End	2540
Name	OJ991208_05.0204.C3.o1.gp	Method	AAT/GAP
Start	1545	End	2540
GI	none	Score	1230
Exons	1545..1573, 1697..1759, 1975..2540		

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3
Gene No.	68488	Strand	+
Start	3413	End	8847
Name	OJ991208_05.0204.C3.o2.gp	Method	AAT/GAP
Start	3293	End	5714
GI	546_1.R1084	Score	1480
Exons	3293..3463, 3662..3710, 4691..4922, 5364..5714		
GI Descrip.	'585551/sp|Q07661|NDK1_ORYSA 1.0e-84 NUCLEOSIDE DIPHOSPHATE KINASE I (NDK I) (NDP KINASE I) >gi_629798_pir__S43330 nucleoside-diphosphate kinase (EC 2.7.4.6) - rice >gi_303849_dbj_BAA03798_ (D16292) nucleoside diphosphate kinase [Oryza sativa]'		

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3
Gene No.	68488	Strand	+
Start	3413	End	8847
Name	OJ991208_05.0204.C3.o2.gs	Method	GENSCAN
Start	3413	End	8847
GI	none	Score	.72
Exons	3413..3463, 3662..3710, 4691..4922, 5364..5431, 6847..7201, 7306..7802, 8300..8847		

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3
Gene No.	68488	Strand	+
Start	3413	End	8847
Name	OJ991208_05.0204.C3.o2.np	Method	AAT/NAP
Start	3413	End	5478
GI	585551	Score	703
Exons	3413..3463, 3662..3710, 4691..4922, 5364..5478		
GI Descrip.	NUCLEOSIDE DIPHOSPHATE KINASE I (NDK I) (NDP KINASE I) (NDPK I) gi|629798|pir||S43330 nucleoside-diphosphate kinase (EC 2.7.4.6)		

- rice gi|303849|dbj|BAA03798| (D16292) nucleoside diphosphate kinase [Oryza sativa]

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3
Gene No.	68488	Strand	+
Start	3413	End	8847
Name	OJ991208_05.0204.C3.o3.np	Method	AAT/NAP
Start	6828	End	8826
GI	4164576	Score	1212
Exons	6828..7223, 7346..7802, 8300..8826		
GI Descrip.	(AF098946) CTF2A [Arabidopsis thaliana]		

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3
Gene No.	68489	Strand	-
Start	10265	End	12173
Name	OJ991208_05.0204.C3.o3.gs	Method	GENSCAN
Start	10265	End	11799
GI	none	Score	.96
Exons	10265..10802, 10841..11799		

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3
Gene No.	68489	Strand	-
Start	10265	End	12173
Name	OJ991208_05.0204.C3.o4.np	Method	AAT/NAP
Start	10274	End	12173
GI	4512670	Score	647
Exons	10274..10767, 10845..11702, 12060..12173		
GI Descrip.	(AC006931) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3
Gene No.	68490	Strand	-
Start	15322	End	18579
Name	OJ991208_05.0204.C3.o1.tm	Method	TBLASTX:Maize
Start	3406	End	5574
GI	none	Score	91
Exons	3406..3462, 3407..3466, 3661..3714, 3662..3715, 4689..4931, 4690..4932, 5361..5474, 5362..5484, 5362..5475, 5536..5565, 5536..5574		

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3
Gene No.	68490	Strand	-
Start	15322	End	18579
Name	OJ991208_05.0204.C3.o2.tc	Method	TBLASTX:Cress
Start	3412	End	5481
GI	none	Score	86
Exons	3412..3459, 3413..3466, 3662..3715, 4688..4924, 4689..4922, 4689..4931, 4690..4932, 4696..4941, 5361..5474, 5362..5481		

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3
Gene No.	68490	Strand	-
Start	15322	End	18579
Name	OJ991208_05.0204.C3.o1.tw	Method	TBLASTX:Wheat
Start	3415	End	4892
GI	none	Score	74
Exons	3415..3486, 3416..3466, 3662..3715, 4689..4892, 4690..4890		

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3

Gene No.	68490	Strand	-
Start	15322	End	18579
Name	OJ991208_05.0204.C3.o2.ts	Method	TBLASTX:Soybean
Start	4677	End	5565
GI	none	Score	130
Exons	4677..4931, 4680..4922, 4681..4932, 4708..4941, 5361..5474, 5362..5565		

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3
Gene No.	68490	Strand	-
Start	15322	End	18579
Name	OJ991208_05.0204.C3.o1.tc	Method	TBLASTX:Cress
Start	7029	End	8802
GI	none	Score	199
Exons	7029..7208, 7043..7207, 7346..7480, 7526..7672, 7549..7650, 7685..7810, 7687..7803, 8275..8550, 8295..8513, 8625..8798, 8626..8802		

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3
Gene No.	68490	Strand	-
Start	15322	End	18579
Name	OJ991208_05.0204.C3.o6.ts	Method	TBLASTX:Soybean
Start	7056	End	7208
GI	none	Score	185
Exons	7056..7208, 7058..7171		

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3
Gene No.	68490	Strand	-
Start	15322	End	18579
Name	OJ991208_05.0204.C3.o2.tm	Method	TBLASTX:Maize
Start	7553	End	8438
GI	none	Score	193
Exons	7553..7672, 7555..7653, 7685..7810, 7690..7803, 8275..8394, 8298..8393, 8397..8438, 8398..8436		

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3
Gene No.	68490	Strand	-
Start	15322	End	18579
Name	OJ991208_05.0204.C3.o4.ts	Method	TBLASTX:Soybean
Start	7582	End	8523
GI	none	Score	136
Exons	7582..7641, 7583..7672, 7685..7810, 7687..7803, 8275..8523, 8298..8513		

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3
Gene No.	68490	Strand	-
Start	15322	End	18579
Name	OJ991208_05.0204.C3.o5.ts	Method	TBLASTX:Soybean
Start	8629	End	8802
GI	none	Score	195
Exons	8629..8802, 8634..8801		

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3
Gene No.	68490	Strand	-
Start	15322	End	18579
Name	OJ991208_05.0204.C3.o3.ts	Method	TBLASTX:Soybean
Start	10289	End	10688

GI	none	Score	115
Exons	10289..10330, 10320..10469, 10346..10477, 10496..10687, 10497..10688		

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3
Gene No.	68490	Strand	-
Start	15322	End	18579
Name	OJ991208_05.0204.C3.o3.tc	Method	TBLASTX:Cress
Start	10370	End	11631
GI	none	Score	81
Exons	10370..10471, 10374..10472, 10502..10768, 10512..10685, 10846..10974, 11491..11631		

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3
Gene No.	68490	Strand	-
Start	15322	End	18579
Name	OJ991208_05.0204.C3.o4.tm	Method	TBLASTX:Maize
Start	10580	End	10914
GI	none	Score	122
Exons	10580..10708, 10581..10691, 10697..10768, 10714..10770, 10846..10914, 10853..10912		

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3
Gene No.	68490	Strand	-
Start	15322	End	18579
Name	OJ991208_05.0204.C3.o1.ts	Method	TBLASTX:Soybean
Start	10993	End	11490
GI	none	Score	125
Exons	10993..11490, 11135..11383		

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3
Gene No.	68490	Strand	-
Start	15322	End	18579
Name	OJ991208_05.0204.C3.o3.tm	Method	TBLASTX:Maize
Start	11209	End	11644
GI	none	Score	113
Exons	11209..11445, 11210..11380, 11443..11631, 11501..11644		

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3
Gene No.	68490	Strand	-
Start	15322	End	18579
Name	OJ991208_05.0204.C3.o4.gs	Method	GENSCAN
Start	15322	End	18579
GI	none	Score	.69
Exons	15322..15511, 16276..16385, 17085..17194, 17346..17388, 17883..17936, 18513..18579		

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3
Gene No.	68490	Strand	-
Start	15322	End	18579
Name	OJ991208_05.0204.C3.o5.tm	Method	TBLASTX:Maize
Start	16479	End	17191
GI	none	Score	183
Exons	16479..16727, 16492..16728, 16528..16728, 16535..16729, 16909..17031, 16909..17031, 17043..17189, 17045..17191		

Seq. No.	33029	Seq. ID	OJ991208_05.0204.C3

Gene No.	68490	Strand	-
Start	15322	End	18579
Name	OJ991208_05.0204.C3.o3.gp	Method	AAT/GAP
Start	16667	End	17101
GI	568690	Score	437
Exons	16667..16719, 16917..17101		

Seq. No.	33030	Seq. ID	OJ991208_05.0204.C4
Gene No.	68491	Strand	-
Start	1	End	3683
Name	OJ991208_05.0204.C4.o1.np	Method	AAT/NAP
Start	1	End	3683
GI	6330416	Score	83
Exons	1..30, 362..463, 540..635, 1446..1511, 2551..2604, 3169..3231, 3359..3683		
GI Descrip.	(AB033027) KIAA1201 protein [Homo sapiens]		

Seq. No.	33030	Seq. ID	OJ991208_05.0204.C4
Gene No.	68491	Strand	-
Start	1	End	3683
Name	OJ991208_05.0204.C4.o1.gp	Method	AAT/GAP
Start	17	End	3396
GI	uC-osf1M202046c07b1	Score	890
Exons	17..39, 151..248, 362..463, 540..635, 1446..1511, 2551..2601, 3169..3231, 3375..3396		
GI Descrip.	'2842469/emb|CAA16847.1| 2.0e-21 (AL021747) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	33030	Seq. ID	OJ991208_05.0204.C4
Gene No.	68491	Strand	-
Start	1	End	3683
Name	OJ991208_05.0204.C4.o1.gs	Method	GENSCAN
Start	151	End	3563
GI	none	Score	.66
Exons	151..248, 540..635, 2551..2601, 3169..3231, 3279..3563		

Seq. No.	33030	Seq. ID	OJ991208_05.0204.C4
Gene No.	68491	Strand	-
Start	1	End	3683
Name	OJ991208_05.0204.C4.o1.tm	Method	TBLASTX:Maize
Start	365	End	1518
GI	none	Score	96
Exons	365..502, 366..440, 368..463, 540..716, 541..636, 1441..1512, 1446..1511, 1450..1518		

Seq. No.	33031	Seq. ID	OJ991208_05.0204.C5
Gene No.	68492	Strand	+
Start	2835	End	3906
Name	OJ991208_05.0204.C5.o1.gs	Method	GENSCAN
Start	2835	End	3906
GI	none	Score	.52
Exons	2835..2894, 3889..3906		

Seq. No.	33031	Seq. ID	OJ991208_05.0204.C5
Gene No.	68493	Strand	-
Start	5593	End	8567
Name	OJ991208_05.0204.C5.o1.np	Method	AAT/NAP

Start	5581	End	8567
GI	2809247	Score	1484
Exons	5581..7062, 7116..7482, 8445..8567		
GI Descrip.	(AC002560) F21B7.16 [Arabidopsis thaliana]		

Seq. No.	33031	Seq. ID	OJ991208_05.0204.C5
Gene No.	68493	Strand	-
Start	5593	End	8567
Name	OJ991208_05.0204.C5.o2.gs	Method	GENSCAN
Start	5593	End	7566
GI	none	Score	.52
Exons	5593..7566		

Seq. No.	33031	Seq. ID	OJ991208_05.0204.C5
Gene No.	68493	Strand	-
Start	5593	End	8567
Name	OJ991208_05.0204.C5.o1.tc	Method	TBLASTX:Cress
Start	5842	End	6810
GI	none	Score	95
Exons	5842..6165, 5902..6108, 5915..6244, 5915..6148, 5920..6285, 5998..6234, 6019..6366, 6091..6318, 6196..6417, 6232..6561, 6406..6570, 6451..6570, 6709..6804, 6715..6810, 6742..6810		

Seq. No.	33031	Seq. ID	OJ991208_05.0204.C5
Gene No.	68493	Strand	-
Start	5593	End	8567
Name	OJ991208_05.0204.C5.o1.tm	Method	TBLASTX:Maize
Start	5842	End	6933
GI	none	Score	60
Exons	5842..6201, 5848..6384, 5848..6066, 5917..6513, 6016..6597, 6709..6810, 6709..6801, 6817..6933		

Seq. No.	33031	Seq. ID	OJ991208_05.0204.C5
Gene No.	68493	Strand	-
Start	5593	End	8567
Name	OJ991208_05.0204.C5.o1.ts	Method	TBLASTX:Soybean
Start	5848	End	6933
GI	none	Score	67
Exons	5848..6054, 5854..6348, 5903..6088, 5959..6453, 5960..6148, 6067..6558, 6068..6247, 6274..6597, 6343..6456, 6595..6744, 6596..6706, 6655..6711, 6709..6810, 6709..6801, 6716..6811, 6766..6810, 6823..6933		

Seq. No.	33032	Seq. ID	OJ991208_05.0204.C6
Gene No.	68494	Strand	+
Start	3231	End	4226
Name	OJ991208_05.0204.C6.o1.np	Method	AAT/NAP
Start	3173	End	4201
GI	5042454	Score	794
Exons	3173..3312, 3639..3745, 3801..4201		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	33032	Seq. ID	OJ991208_05.0204.C6
Gene No.	68494	Strand	+
Start	3231	End	4226
Name	OJ991208_05.0204.C6.o2.gs	Method	GENSCAN
Start	3231	End	4226

GI	none	Score	.54
Exons	3231..3308, 3535..3598, 3781..4226		

Seq. No.	33032	Seq. ID	OJ991208_05.0204.C6
Gene No.	68495	Strand	-
Start	200	End	2068
Name	OJ991208_05.0204.C6.o1.gs	Method	GENSCAN
Start	200	End	2068
GI	none	Score	.6
Exons	200..556, 1894..2068		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68496	Strand	+
Start	1221	End	2063
Name	OJ991208_05.0204.C7.o1.np	Method	AAT/NAP
Start	1221	End	2063
GI	5042448	Score	1157
Exons	1221..1800, 1831..2063		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68497	Strand	+
Start	2320	End	6882
Name	OJ991208_05.0204.C7.o2.np	Method	AAT/NAP
Start	2320	End	6882
GI	4680179	Score	7879
Exons	2320..6882		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68498	Strand	+
Start	18250	End	24972
Name	OJ991208_05.0204.C7.o1.gp	Method	AAT/GAP
Start	18145	End	18530
GI	uC-osf1cyp033a04b1	Score	625
Exons	18145..18530		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68498	Strand	+
Start	18250	End	24972
Name	OJ991208_05.0204.C7.o5.gs	Method	GENSCAN
Start	18250	End	24972
GI	none	Score	.87
Exons	18250..18315, 19412..19541, 19584..20177, 20216..20244, 20470..24972		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68498	Strand	+
Start	18250	End	24972
Name	OJ991208_05.0204.C7.o2.gp	Method	AAT/GAP
Start	19687	End	20141
GI	9543?_1.R1084	Score	786
Exons	19687..20141		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa		

gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68498	Strand	+
Start	18250	End	24972
Name	OJ991208_05.0204.C7.o4.np	Method	AAT/NAP
Start	22180	End	24951
GI	4539665	Score	3369
Exons	22180..24951		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68499	Strand	-
Start	12525	End	15754
Name	OJ991208_05.0204.C7.o2.gs	Method	GENSCAN
Start	12525	End	15754
GI	none	Score	.87
Exons	12525..14450, 14492..15754		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68499	Strand	-
Start	12525	End	15754
Name	OJ991208_05.0204.C7.o3.np	Method	AAT/NAP
Start	12528	End	15754
GI	6907089	Score	4079
Exons	12528..14397, 14492..15754		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68500	Strand	-
Start	16821	End	17150
Name	OJ991208_05.0204.C7.o3.gs	Method	GENSCAN
Start	16821	End	17150
GI	none	Score	.97
Exons	16821..17150		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68501	Strand	-
Start	17578	End	24977
Name	OJ991208_05.0204.C7.o9.tw	Method	TBLASTX:Wheat
Start	2587	End	21045
GI	none	Score	.308
Exons	2587..2946, 2613..2687, 2712..2945, 20683..21045, 20715..21044		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68501	Strand	-
Start	17578	End	24977
Name	OJ991208_05.0204.C7.o6.tm	Method	TBLASTX:Maize
Start	2827	End	21231
GI	none	Score	215
Exons	2827..3159, 2827..3111, 2844..3014, 20940..21056, 20941..21231		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68501	Strand	-
Start	17578	End	24977
Name	OJ991208_05.0204.C7.o10.tm	Method	TBLASTX:Maize

Start	3463	End	21912
GI	none	Score	184
Exons	3463..3783, 3516..3608, 21559..21912		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68501	Strand	-
Start	17578	End	24977
Name	OJ991208_05.0204.C7.o10.tw	Method	TBLASTX:Wheat
Start	3466	End	22017
GI	none	Score	152
Exons	3466..3675, 3516..3614, 3675..3815, 3697..3888, 3726..3881, 21595..21804, 21651..21743, 21849..21962, 21850..22017		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68501	Strand	-
Start	17578	End	24977
Name	OJ991208_05.0204.C7.o4.tw	Method	TBLASTX:Wheat
Start	4045	End	22614
GI	none	Score	550
Exons	4045..4527, 4149..4484, 4174..4518, 12361..12438, 22132..22182, 22236..22571, 22237..22614		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68501	Strand	-
Start	17578	End	24977
Name	OJ991208_05.0204.C7.o5.tm	Method	TBLASTX:Maize
Start	4057	End	22433
GI	none	Score	322
Exons	4057..4344, 4155..4346, 22144..22431, 22240..22431, 22242..22433		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68501	Strand	-
Start	17578	End	24977
Name	OJ991208_05.0204.C7.o3.tm	Method	TBLASTX:Maize
Start	4414	End	23001
GI	none	Score	161
Exons	4414..4593, 4579..4914, 4665..4799, 22501..22680, 22509..22655, 22687..23001, 22827..22880, 22908..22958		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68501	Strand	-
Start	17578	End	24977
Name	OJ991208_05.0204.C7.o1.ts	Method	TBLASTX:Soybean
Start	4468	End	22950
GI	none	Score	57
Exons	4468..4500, 4468..4512, 4504..4863, 4504..4584, 4599..4862, 22555..22587, 22557..22586, 22591..22950, 22593..22631, 22659..22949		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68501	Strand	-
Start	17578	End	24977
Name	OJ991208_05.0204.C7.o6.tw	Method	TBLASTX:Wheat
Start	4576	End	22965
GI	none	Score	398
Exons	4576..4872, 4596..4877, 22663..22965, 22665..22949		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68501	Strand	-
Start	17578	End	24977
Name	OJ991208_05.0204.C7.o3.tw	Method	TBLASTX:Wheat
Start	4878	End	23388
GI	none	Score	78
Exons	4878..5063, 4879..5304, 4911..5222, 4957..5304, 22966..23388, 22998..23387		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68501	Strand	-
Start	17578	End	24977
Name	OJ991208_05.0204.C7.o3.ts	Method	TBLASTX:Soybean
Start	4885	End	23217
GI	none	Score	204
Exons	4885..5130, 22972..23217, 22989..23117		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68501	Strand	-
Start	17578	End	24977
Name	OJ991208_05.0204.C7.o2.tm	Method	TBLASTX:Maize
Start	4951	End	23400
GI	none	Score	488
Exons	4951..5304, 4953..5219, 5005..5316, 23037..23387, 23038..23391, 23038..23400		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68501	Strand	-
Start	17578	End	24977
Name	OJ991208_05.0204.C7.o2.tw	Method	TBLASTX:Wheat
Start	5344	End	23959
GI	none	Score	612
Exons	5344..5871, 5425..5838, 5463..5870, 23391..23954, 23422..23958, 23494..23958, 23711..23959		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68501	Strand	-
Start	17578	End	24977
Name	OJ991208_05.0204.C7.o1.tc	Method	TBLASTX:Cress
Start	5578	End	23982
GI	none	Score	89
Exons	5578..5751, 5752..5895, 5754..5894, 23665..23838, 23839..23982, 23841..23981		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68501	Strand	-
Start	17578	End	24977
Name	OJ991208_05.0204.C7.o2.ts	Method	TBLASTX:Soybean
Start	5659	End	24006
GI	none	Score	299
Exons	5659..5919, 5664..5918, 23746..24006, 23751..24005		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68501	Strand	-
Start	17578	End	24977
Name	OJ991208_05.0204.C7.o4.tm	Method	TBLASTX:Maize
Start	5718	End	24096

GI	none	Score	389
Exons	5718..6005, 5719..6009, 23804..23956, 23805..24092, 23806..24096		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68501	Strand	-
Start	17578	End	24977
Name	OJ991208_05.0204.C7.o1.tw	Method	TBLASTX:Wheat
Start	5878	End	24591
GI	none	Score	721
Exons	5878..6504, 5880..6284, 6065..6307, 6333..6503, 23965..24591, 24021..24479, 24466..24588		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68501	Strand	-
Start	17578	End	24977
Name	OJ991208_05.0204.C7.o1.tm	Method	TBLASTX:Maize
Start	6058	End	24744
GI	none	Score	226
Exons	6058..6219, 6066..6212, 6217..6657, 6219..6644, 24145..24306, 24153..24299, 24303..24728, 24304..24744		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68501	Strand	-
Start	17578	End	24977
Name	OJ991208_05.0204.C7.o7.tw	Method	TBLASTX:Wheat
Start	6505	End	24924
GI	none	Score	374
Exons	6505..6837, 6529..6612, 6597..6713, 6819..6872, 24591..24860, 24592..24924, 24595..24903		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68501	Strand	-
Start	17578	End	24977
Name	OJ991208_05.0204.C7.o8.tm	Method	TBLASTX:Maize
Start	6661	End	24977
GI	none	Score	191
Exons	6661..6858, 24748..24945, 24759..24854, 24847..24942, 24921..24977		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68501	Strand	-
Start	17578	End	24977
Name	OJ991208_05.0204.C7.o5.tw	Method	TBLASTX:Wheat
Start	9143	End	12255
GI	none	Score	414
Exons	9143..9235, 11484..11657, 11485..11967, 11679..11939, 12058..12255, 12058..12240, 12111..12254		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68501	Strand	-
Start	17578	End	24977
Name	OJ991208_05.0204.C7.o8.tw	Method	TBLASTX:Wheat
Start	10354	End	10746
GI	none	Score	58
Exons	10354..10401, 10408..10506, 10425..10505, 10473..10634, 10489..10746		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68501	Strand	-
Start	17578	End	24977
Name	OJ991208_05.0204.C7.o7.tm	Method	TBLASTX:Maize
Start	10359	End	10644
GI	none	Score	193
Exons	10359..10643, 10396..10644		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68501	Strand	-
Start	17578	End	24977
Name	OJ991208_05.0204.C7.o9.tm	Method	TBLASTX:Maize
Start	12103	End	12438
GI	none	Score	53
Exons	12103..12192, 12205..12438, 12213..12437		

Seq. No.	33033	Seq. ID	OJ991208_05.0204.C7
Gene No.	68501	Strand	-
Start	17578	End	24977
Name	OJ991208_05.0204.C7.o4.gs	Method	GENSCAN
Start	17578	End	17709
GI	none	Score	.5
Exons	17578..17709		

Seq. No.	33034	Seq. ID	OJ991208_05.0204.C8
Gene No.	68502	Strand	+
Start	1038	End	1471
Name	OJ991208_05.0204.C8.o1.gs	Method	GENSCAN
Start	1038	End	1471
GI	none	Score	.76
Exons	1038..1115, 1340..1471		

Seq. No.	33034	Seq. ID	OJ991208_05.0204.C8
Gene No.	68503	Strand	+
Start	3184	End	4403
Name	OJ991208_05.0204.C8.o2.gs	Method	GENSCAN
Start	3184	End	4403
GI	none	Score	.62
Exons	3184..3291, 3548..3892, 4260..4403		

Seq. No.	33034	Seq. ID	OJ991208_05.0204.C8
Gene No.	68504	Strand	+
Start	14172	End	20574
Name	OJ991208_05.0204.C8.o4.gs	Method	GENSCAN
Start	14172	End	20574
GI	none	Score	.49
Exons	14172..14279, 14464..14571, 14780..15048, 16039..16306, 16439..16514, 17112..17200, 17383..17505, 17934..18023, 18232..18276, 19065..19196, 19508..19596, 20550..20574		

Seq. No.	33034	Seq. ID	OJ991208_05.0204.C8
Gene No.	68504	Strand	+
Start	14172	End	20574
Name	OJ991208_05.0204.C8.o2.np	Method	AAT/NAP
Start	16142	End	19208
GI	3288823	Score	538
Exons	16142..16306, 16439..16514, 17112..17200, 17934..18023,		

	18232..18276, 18366..18440, 19068..19208		
GI Descrip.	(AF063852) FUS5 [Arabidopsis thaliana]		
Seq. No.	33034	Seq. ID	OJ991208_05.0204.C8
Gene No.	68505	Strand	-
Start	1	End	1547
Name	OJ991208_05.0204.C8.o1.np	Method	AAT/NAP
Start	1	End	1547
GI	5922623	Score	353
Exons	1..21, 708..783, 951..1098, 1467..1547		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	33034	Seq. ID	OJ991208_05.0204.C8
Gene No.	68506	Strand	-
Start	5391	End	10819
Name	OJ991208_05.0204.C8.o3.gs	Method	GENSCAN
Start	5391	End	10819
GI	none	Score	.4
Exons	5391..5906, 5936..7065, 7358..8286, 8970..9636, 9703..10000, 10781..10819		
Seq. No.	33034	Seq. ID	OJ991208_05.0204.C8
Gene No.	68507	Strand	-
Start	19936	End	20285
Name	OJ991208_05.0204.C8.o1.gp	Method	AAT/GAP
Start	19936	End	20285
GI	none	Score	523
Exons	19936..20285		
Seq. No.	33034	Seq. ID	OJ991208_05.0204.C8
Gene No.	68508	Strand	-
Start	20279	End	22978
Name	OJ991208_05.0204.C8.o1.tm	Method	TBLASTX:Maize
Start	15963	End	20193
GI	none	Score	52
Exons	15963..16028, 16106..16183, 16195..16317, 16235..16318, 16400..16528, 16427..16516, 16438..16518, 17113..17199, 17114..17203, 17114..17203, 17925..18023, 17928..18032, 17932..18024, 17939..18025, 18231..18278, 18232..18282, 18345..18437, 18363..18437, 18365..18469, 18365..18460, 19019..19225, 19068..19196, 19070..19198, 19475..19597, 19476..19598, 19966..20193, 19966..20073, 19967..20074		
Seq. No.	33034	Seq. ID	OJ991208_05.0204.C8
Gene No.	68508	Strand	-
Start	20279	End	22978
Name	OJ991208_05.0204.C8.o3.np	Method	AAT/NAP
Start	20279	End	22237
GI	3687235	Score	106
Exons	20279..20315, 21616..21842, 22164..22237		
GI Descrip.	(AC005169) copia-like retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	33034	Seq. ID	OJ991208_05.0204.C8
Gene No.	68508	Strand	-

Start	20279	End	22978
Name	OJ991208_05.0204.C8.o5.gs	Method	GENSCAN
Start	21612	End	22978
GI	none	Score	.84
Exons	21612..21842, 22883..22978		

Seq. No.	33035	Seq. ID	OJ991208_05.0204.C9
Gene No.	68509	Strand	+
Start	1	End	737
Name	OJ991208_05.0204.C9.o1.np	Method	AAT/NAP
Start	1	End	737
GI	4455255	Score	65
Exons	1..179, 715..737		
GI Descrip.	(AL035523) putative protein [Arabidopsis thaliana]		

Seq. No.	33035	Seq. ID	OJ991208_05.0204.C9
Gene No.	68509	Strand	+
Start	1	End	737
Name	OJ991208_05.0204.C9.o1.gs	Method	GENSCAN
Start	93	End	170
GI	none	Score	.79
Exons	93..170		

Seq. No.	33036	Seq. ID	OJ991208_05.0204.C10
Gene No.	68510	Strand	-
Start	213	End	545
Name	OJ991208_05.0204.C10.o1.tm	Method	TBLASTX:Maize
Start	208	End	473
GI	none	Score	85
Exons	208..252, 210..254, 342..473, 349..471		

Seq. No.	33036	Seq. ID	OJ991208_05.0204.C10
Gene No.	68510	Strand	-
Start	213	End	545
Name	OJ991208_05.0204.C10.o1.gs	Method	GENSCAN
Start	213	End	545
GI	none	Score	.52
Exons	213..251, 342..545		

Seq. No.	33036	Seq. ID	OJ991208_05.0204.C10
Gene No.	68510	Strand	-
Start	213	End	545
Name	OJ991208_05.0204.C10.o1.np	Method	AAT/NAP
Start	342	End	545
GI	4455255	Score	147
Exons	342..545		
GI Descrip.	(AL035523) putative protein [Arabidopsis thaliana]		

Seq. No.	33037	Seq. ID	OJ991208_05.0204.C11
Gene No.	68511	Strand	-
Start	600	End	1328
Name	OJ991208_05.0204.C11.o1.gs	Method	GENSCAN
Start	600	End	1128
GI	none	Score	.9
Exons	600..725, 799..927, 1003..1128		

Seq. No.	33037	Seq. ID	OJ991208_05.0204.C11

Gene No.	68511	Strand	-
Start	600	End	1328
Name	OJ991208_05.0204.C11.o1.np	Method	AAT/NAP
Start	620	End	1328
GI	4455255	Score	174
Exons	620..725, 799..927, 1305..1328		
GI Descrip.	(AL035523) putative protein [Arabidopsis thaliana]		

Seq. No.	33038	Seq. ID	OJ991208_05.0204.C12
Gene No.	68512	Strand	-
Start	1	End	3820
Name	OJ991208_05.0204.C12.o1.np	Method	AAT/NAP
Start	1	End	2179
GI	4455255	Score	322
Exons	1..22, 407..505, 1176..1339, 2061..2179		
GI Descrip.	(AL035523) putative protein [Arabidopsis thaliana]		

Seq. No.	33038	Seq. ID	OJ991208_05.0204.C12
Gene No.	68512	Strand	-
Start	1	End	3820
Name	OJ991208_05.0204.C12.o1.gs	Method	GENSCAN
Start	319	End	3820
GI	none	Score	.6
Exons	319..505, 1176..1339, 2061..2285, 2470..2619, 2975..3267, 3638..3820		

Seq. No.	33039	Seq. ID	OJ991208_05.0204.C13
Gene No.	68513	Strand	+
Start	355	End	4146
Name	OJ991208_05.0204.C13.o1.gs	Method	GENSCAN
Start	355	End	4012
GI	none	Score	.71
Exons	355..483, 555..627, 3352..3472, 3852..4012		

Seq. No.	33039	Seq. ID	OJ991208_05.0204.C13
Gene No.	68513	Strand	+
Start	355	End	4146
Name	OJ991208_05.0204.C13.o1.np	Method	AAT/NAP
Start	3373	End	4146
GI	322750	Score	202
Exons	3373..3472, 3852..4146		
GI Descrip.	ubiquitin / ribosomal protein CEP52 - wood tobacco gi|170217 (M74100) ubiquitin fusion protein [Nicotiana sylvestris]		

Seq. No.	33040	Seq. ID	OJ991028_05.0211.C1
Gene No.	68514	Strand	+
Start	5708	End	8347
Name	OJ991028_05.0211.C1.o3.np	Method	AAT/NAP
Start	5708	End	8347
GI	4539658	Score	48
Exons	5708..5792, 8308..8347		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	33040	Seq. ID	OJ991028_05.0211.C1
Gene No.	68515	Strand	-
Start	88	End	4989

Name	OJ991028_05.0211.C1.o1.np	Method	AAT/NAP
Start	88	End	3312
GI	6907089	Score	3978
Exons	88..1957, 2051..3312		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	33040	Seq. ID	OJ991028_05.0211.C1
Gene No.	68515	Strand	-
Start	88	End	4989
Name	OJ991028_05.0211.C1.o1.gs	Method	GENSCAN
Start	232	End	3312
GI	none	Score	.54
Exons	232..3312		

Seq. No.	33040	Seq. ID	OJ991028_05.0211.C1
Gene No.	68515	Strand	-
Start	88	End	4989
Name	OJ991028_05.0211.C1.o2.np	Method	AAT/NAP
Start	2552	End	4989
GI	5922623	Score	412
Exons	2552..2582, 4155..4230, 4398..4545, 4909..4989		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	33040	Seq. ID	OJ991028_05.0211.C1
Gene No.	68516	Strand	-
Start	5313	End	5432
Name	OJ991028_05.0211.C1.o1.gp	Method	AAT/GAP
Start	5313	End	5432
GI	LIB3475-004-P1-K2-A5	Score	188
Exons	5313..5432		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	33041	Seq. ID	OJ991028_05.0211.C2
Gene No.	68517	Strand	+
Start	2134	End	7766
Name	OJ991028_05.0211.C2.o1.gs	Method	GENSCAN
Start	2134	End	7717
GI	none	Score	.44
Exons	2134..2645, 3321..3464, 5825..6296, 7622..7717		

Seq. No.	33041	Seq. ID	OJ991028_05.0211.C2
Gene No.	68517	Strand	+
Start	2134	End	7766
Name	OJ991028_05.0211.C2.o1.np	Method	AAT/NAP
Start	3306	End	7766
GI	3033379	Score	371
Exons	3306..3464, 5825..6049, 7689..7766		
GI Descrip.	(AC004238) putative WRKY-type DNA binding protein [Arabidopsis thaliana]		

Seq. No.	33041	Seq. ID	OJ991028_05.0211.C2
Gene No.	68517	Strand	+
Start	2134	End	7766
Name	OJ991028_05.0211.C2.o1.tc	Method	TBLASTX:Cress

Start	3318	End	5980
GI	none	Score	44
Exons	3318..3353, 3319..3354, 3321..3461, 3361..3465, 3394..3465, 5824..5850, 5846..5980, 5850..5969		

Seq. No.	33042	Seq. ID	OJ991028_05.0211.C4
Gene No.	68518	Strand	+
Start	414	End	4584
Name	OJ991028_05.0211.C4.o1.np	Method	AAT/NAP
Start	414	End	3736
GI	6721512	Score	73
Exons	414..441, 2004..2116, 3711..3736		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	33042	Seq. ID	OJ991028_05.0211.C4
Gene No.	68518	Strand	+
Start	414	End	4584
Name	OJ991028_05.0211.C4.o1.gs	Method	GENSCAN
Start	2185	End	4506
GI	none	Score	.71
Exons	2185..2270, 2410..2534, 2899..3049, 3207..3583, 3749..3873, 3941..4126, 4197..4255, 4323..4506		

Seq. No.	33042	Seq. ID	OJ991028_05.0211.C4
Gene No.	68518	Strand	+
Start	414	End	4584
Name	OJ991028_05.0211.C4.o2.np	Method	AAT/NAP
Start	2950	End	4583
GI	6721558	Score	263
Exons	2950..3049, 3749..3873, 4385..4583		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	33042	Seq. ID	OJ991028_05.0211.C4
Gene No.	68518	Strand	+
Start	414	End	4584
Name	OJ991028_05.0211.C4.o3.np	Method	AAT/NAP
Start	3474	End	4584
GI	6721561	Score	462
Exons	3474..3509, 3907..4126, 4197..4255, 4323..4584		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68519	Strand	+
Start	1	End	1331
Name	OJ991028_05.0211.C5.o1.np	Method	AAT/NAP
Start	1	End	447
GI	6721561	Score	558
Exons	1..447		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976)		

corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68519	Strand	+
Start	1	End	1331
Name	OJ991028_05.0211.C5.o1.gs	Method	GENSCAN
Start	13	End	1331
GI	none	Score	.82
Exons	13..446, 570..715, 814..1331		

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68520	Strand	+
Start	6616	End	9938
Name	OJ991028_05.0211.C5.o4.np	Method	AAT/NAP
Start	6616	End	9938
GI	6721512	Score	79
Exons	6616..6636, 8199..8322, 8644..8683, 9912..9938		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68521	Strand	+
Start	14383	End	18085
Name	OJ991028_05.0211.C5.o5.np	Method	AAT/NAP
Start	12104	End	12326
GI	6069646	Score	92
Exons	12104..12326		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68521	Strand	+
Start	14383	End	18085
Name	OJ991028_05.0211.C5.o3.gs	Method	GENSCAN
Start	14383	End	18085
GI	none	Score	.46
Exons	14383..14529, 17146..17164, 17251..17418, 17561..17736, 17777..18085		

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68522	Strand	+
Start	20014	End	20430
Name	OJ991028_05.0211.C5.o4.gs	Method	GENSCAN
Start	20014	End	20430
GI	none	Score	.45
Exons	20014..20430		

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68523	Strand	-
Start	1949	End	9577
Name	OJ991028_05.0211.C5.o2.gs	Method	GENSCAN
Start	1949	End	9090
GI	none	Score	.64
Exons	1949..2362, 2393..2703, 2808..3587, 3645..4030, 4229..5028,		

5197..6696, 6741..7288, 7477..8259, 8608..8769, 9066..9090

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68523	Strand	-
Start	1949	End	9577
Name	OJ991028_05.0211.C5.o2.np	Method	AAT/NAP
Start	1952	End	5019
GI	5902445	Score	2986
Exons	1952..3144, 3184..5019		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68523	Strand	-
Start	1949	End	9577
Name	OJ991028_05.0211.C5.o3.np	Method	AAT/NAP
Start	5086	End	9577
GI	5902444	Score	1056
Exons	5086..6748, 7085..7353, 9544..9577		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68523	Strand	-
Start	1949	End	9577
Name	OJ991028_05.0211.C5.o1.gp	Method	AAT/GAP
Start	9353	End	9441
GI	LIB3477-003-P1-K1-E9	Score	131
Exons	9353..9441		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68524	Strand	-
Start	14433	End	14487
Name	OJ991028_05.0211.C5.o3.tw	Method	TBLASTX:Wheat
Start	1961	End	2569
GI	none	Score	60
Exons	1961..2092, 1962..2087, 2117..2569, 2313..2387, 2459..2554		

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68524	Strand	-
Start	14433	End	14487
Name	OJ991028_05.0211.C5.o4.tm	Method	TBLASTX:Maize
Start	2084	End	2347
GI	none	Score	187
Exons	2084..2347		

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68524	Strand	-
Start	14433	End	14487
Name	OJ991028_05.0211.C5.o5.tw	Method	TBLASTX:Wheat
Start	2707	End	3024
GI	none	Score	156
Exons	2707..3024, 2726..3016		

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68524	Strand	-

Start	14433	End	14487
Name	OJ991028_05.0211.C5.o2.tm	Method	TBLASTX:Maize
Start	2719	End	3027
GI	none	Score	162
Exons	2719..3027, 2732..3007		

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68524	Strand	-
Start	14433	End	14487
Name	OJ991028_05.0211.C5.o8.tw	Method	TBLASTX:Wheat
Start	3229	End	3486
GI	none	Score	181
Exons	3229..3486		

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68524	Strand	-
Start	14433	End	14487
Name	OJ991028_05.0211.C5.o6.tw	Method	TBLASTX:Wheat
Start	3526	End	3934
GI	none	Score	36
Exons	3526..3699, 3529..3591, 3707..3934, 3709..3933		

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68524	Strand	-
Start	14433	End	14487
Name	OJ991028_05.0211.C5.o1.ts	Method	TBLASTX:Soybean
Start	4024	End	4425
GI	none	Score	88
Exons	4024..4425, 4265..4423		

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68524	Strand	-
Start	14433	End	14487
Name	OJ991028_05.0211.C5.o2.tw	Method	TBLASTX:Wheat
Start	4079	End	4503
GI	none	Score	298
Exons	4079..4498, 4081..4503		

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68524	Strand	-
Start	14433	End	14487
Name	OJ991028_05.0211.C5.o3.tm	Method	TBLASTX:Maize
Start	4177	End	4560
GI	none	Score	183
Exons	4177..4560, 4178..4525		

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68524	Strand	-
Start	14433	End	14487
Name	OJ991028_05.0211.C5.o1.tm	Method	TBLASTX:Maize
Start	4588	End	4944
GI	none	Score	208
Exons	4588..4944, 4616..4882, 4642..4890		

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68524	Strand	-
Start	14433	End	14487

Name	OJ991028_05.0211.C5.o1.tw	Method	TBLASTX:Wheat
Start	4618	End	5074
GI	none	Score	345
Exons	4618..5073, 4619..5074		

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68524	Strand	-
Start	14433	End	14487
Name	OJ991028_05.0211.C5.o2.ts	Method	TBLASTX:Soybean
Start	4669	End	5034
GI	none	Score	100
Exons	4669..4803, 4810..5034		

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68524	Strand	-
Start	14433	End	14487
Name	OJ991028_05.0211.C5.o4.tw	Method	TBLASTX:Wheat
Start	5266	End	5721
GI	none	Score	40
Exons	5266..5502, 5276..5341, 5384..5500, 5539..5721, 5612..5713		

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68524	Strand	-
Start	14433	End	14487
Name	OJ991028_05.0211.C5.o7.tw	Method	TBLASTX:Wheat
Start	6304	End	6702
GI	none	Score	72
Exons	6304..6702, 6395..6577, 6650..6688		

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68524	Strand	-
Start	14433	End	14487
Name	OJ991028_05.0211.C5.o5.tm	Method	TBLASTX:Maize
Start	6466	End	6705
GI	none	Score	186
Exons	6466..6705		

Seq. No.	33043	Seq. ID	OJ991028_05.0211.C5
Gene No.	68524	Strand	-
Start	14433	End	14487
Name	OJ991028_05.0211.C5.o2.gp	Method	AAT/GAP
Start	14433	End	14487
GI	none	Score	70
Exons	14433..14487		

Seq. No.	33044	Seq. ID	OJ991028_05.0211.C6
Gene No.	68525	Strand	+
Start	1067	End	1594
Name	OJ991028_05.0211.C6.o1.gp	Method	AAT/GAP
Start	1067	End	1594
GI	29047_1.R1084	Score	780
Exons	1067..1331, 1428..1594		
GI Descrip.	'2764574/emb|CAA04468| 3.0e-22 (AJ001009) pore protein of 24 kD (OEP24) [Pisum sativum]'		

Seq. No.	33044	Seq. ID	OJ991028_05.0211.C6
Gene No.	68526	Strand	+

Start	1671	End	5618
Name	OJ991028_05.0211.C6.o2.gp	Method	AAT/GAP
Start	1671	End	5618
GI	40498_1.R1084	Score	864
Exons	1671..1817, 5310..5618		
GI Descrip.	'2764574/emb|CAA04468| 1.0e-15 (AJ001009) pore protein of 24 kD (OEP24) [Pisum sativum]'		

Seq. No.	33044	Seq. ID	OJ991028_05.0211.C6
Gene No.	68527	Strand	+
Start	11753	End	13926
Name	OJ991028_05.0211.C6.o1.tm	Method	TBLASTX:Maize
Start	1064	End	5389
GI	none	Score	66
Exons	1064..1165, 1128..1229, 1208..1324, 1209..1331, 1425..1532, 1425..1460, 1427..1555, 1520..1819, 1530..1838, 5300..5386, 5301..5387, 5336..5389		

Seq. No.	33044	Seq. ID	OJ991028_05.0211.C6
Gene No.	68527	Strand	+
Start	11753	End	13926
Name	OJ991028_05.0211.C6.o1.ts	Method	TBLASTX:Soybean
Start	1119	End	1739
GI	none	Score	51
Exons	1119..1166, 1124..1165, 1209..1313, 1223..1312, 1425..1499, 1536..1640, 1623..1739		

Seq. No.	33044	Seq. ID	OJ991028_05.0211.C6
Gene No.	68527	Strand	+
Start	11753	End	13926
Name	OJ991028_05.0211.C6.o1.np	Method	AAT/NAP
Start	11043	End	13926
GI	4585985	Score	1292
Exons	11043..11185, 11683..12136, 12368..12848, 12966..13926		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33044	Seq. ID	OJ991028_05.0211.C6
Gene No.	68527	Strand	+
Start	11753	End	13926
Name	OJ991028_05.0211.C6.o2.gs	Method	GENSCAN
Start	11753	End	13772
GI	none	Score	54
Exons	11753..12194, 12228..12410, 12708..12848, 12966..13154, 13344..13772		

Seq. No.	33044	Seq. ID	OJ991028_05.0211.C6
Gene No.	68527	Strand	+
Start	11753	End	13926
Name	OJ991028_05.0211.C6.o2.tm	Method	TBLASTX:Maize
Start	11780	End	12592
GI	none	Score	84
Exons	11780..11833, 11836..12072, 11837..12295, 12223..12291, 12323..12592, 12493..12591		

Seq. No.	33044	Seq. ID	OJ991028_05.0211.C6
Gene No.	68527	Strand	+
Start	11753	End	13926

Name	OJ991028_05.0211.C6.o1.tw	Method	TBLASTX:Wheat
Start	12416	End	12798
GI	none	Score	252
Exons	12416..12712, 12493..12711, 12736..12798		

Seq. No.	33044	Seq. ID	OJ991028_05.0211.C6
Gene No.	68527	Strand	+
Start	11753	End	13926
Name	OJ991028_05.0211.C6.o3.tm	Method	TBLASTX:Maize
Start	12595	End	13027
GI	none	Score	178
Exons	12595..12711, 12596..12724, 12718..12867, 12728..12838, 12965..13027		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68528	Strand	+
Start	13902	End	16018
Name	OJ991028_05.0211.C7.o5.gs	Method	GENSCAN
Start	13902	End	15931
GI	none	Score	.8
Exons	13902..13958, 14096..14209, 15181..15303, 15803..15931		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68528	Strand	+
Start	13902	End	16018
Name	OJ991028_05.0211.C7.o3.np	Method	AAT/NAP
Start	14060	End	15928
GI	113172	Score	288
Exons	14060..14209, 15181..15303, 15803..15928		
GI Descrip.	ACYL CARRIER PROTEIN III PRECURSOR (ACP III) gi|100561|pir||S17928 acyl carrier protein 3 - barley gi|166971 (M58754) acyl carrier protein III [Hordeum vulgare]		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68528	Strand	+
Start	13902	End	16018
Name	OJ991028_05.0211.C7.o4.gp	Method	AAT/GAP
Start	15180	End	16018
GI	LIB3433-050-P1-K1-A8	Score	606
Exons	15180..15303, 15803..16018		
GI Descrip.	'113172/sp|P15543|ACP3_HORVU 1.0e-30 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68529	Strand	+
Start	30759	End	31251
Name	OJ991028_05.0211.C7.o7.gp	Method	AAT/GAP
Start	30759	End	31251
GI	none	Score	954
Exons	30759..31251		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68530	Strand	-
Start	1270	End	3417
Name	OJ991028_05.0211.C7.o1.gp	Method	AAT/GAP

Start	1270	End	3166
GI	1312_1.R1084	Score	1956
Exons	1270..1723, 1800..2219, 2984..3166		
GI Descrip.	'170131 3.0e-65 (M55322) ribosomal protein 30S subunit [Spinacia oleracea]'		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68530	Strand	-
Start	1270	End	3417
Name	OJ991028_05.0211.C7.o2.gs	Method	GENSCAN
Start	1487	End	2253
GI	none	Score	.82
Exons	1487..1723, 1800..2219, 2245..2253		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68530	Strand	-
Start	1270	End	3417
Name	OJ991028_05.0211.C7.o1.np	Method	AAT/NAP
Start	1490	End	3417
GI	134034	Score	615
Exons	1490..1723, 1803..2219, 2984..3087, 3267..3417		
GI Descrip.	30S RIBOSOMAL PROTEIN S30, CHLOROPLAST PRECURSOR (CS-S5) (CS5) (S22) (RIBOSOMAL PROTEIN 1) (PSRP-1) gi|279640|pir||R3SPS5 ribosomal protein CS-S22 precursor, chloroplast - spinach gi|12316|emb|CAA41960| (X59270) chloroplast ribosomal protein S22 [Spinacia oleracea] gi|18031|emb|CAA33403| (X15344) spinach S22 r-protein [Spinacia oleracea]		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68531	Strand	-
Start	4546	End	12116
Name	OJ991028_05.0211.C7.o2.gp	Method	AAT/GAP
Start	4401	End	6023
GI	36420_1.R1084	Score	1260
Exons	4401..4513, 4605..4722, 5203..5272, 5358..5421, 5611..5784, 5867..6023		
GI Descrip.	'2342682 4.0e-79 (AC000106) Contains similarity to Rattus AMP-activated protein kinase (gb_X95577). [Arabidopsis thaliana]'		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68531	Strand	-
Start	4546	End	12116
Name	OJ991028_05.0211.C7.o4.gs	Method	GENSCAN
Start	4546	End	12116
GI	none	Score	.67
Exons	4546..4722, 5203..5272, 5358..5421, 5611..5784, 5867..6011, 6535..6666, 8325..8459, 9324..9414, 10725..10852, 11168..11168, 12034..12116		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68531	Strand	-
Start	4546	End	12116
Name	OJ991028_05.0211.C7.o2.np	Method	AAT/NAP
Start	4588	End	7448
GI	2342682	Score	781
Exons	4588..4722, 5203..5272, 5358..5421, 5611..5784, 5867..6027,		

	6548..6666, 7352..7448
GI Descrip.	(AC000106) Contains similarity to Rattus AMP-activated protein kinase (gb|X95577). [Arabidopsis thaliana]

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68531	Strand	-
Start	4546	End	12116
Name	OJ991028_05.0211.C7.o3.gp	Method	AAT/GAP
Start	11063	End	11349
GI	5004748	Score	570
Exons	11063..11349		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68532	Strand	-
Start	16458	End	25796
Name	OJ991028_05.0211.C7.o6.gs	Method	GENSCAN
Start	16458	End	25796
GI	none	Score	.79
Exons	16458..16559, 16923..17252, 17337..17504, 17773..17979, 18074..18324, 19062..19305, 19527..19812, 20262..20403, 20769..20820, 21642..21786, 22393..22488, 24005..24042, 24154..24278, 24401..24480, 25236..25349, 25576..25796		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68532	Strand	-
Start	16458	End	25796
Name	OJ991028_05.0211.C7.o5.gp	Method	AAT/GAP
Start	23812	End	25756
GI	17190_1.R1084	Score	1360
Exons	23812..24042, 24154..24278, 24401..24480, 25236..25349, 25576..25756		
GI Descrip.	'5103835/gb|AAD39665.1|AC007591_30 4.0e-56 (AC007591) ESTs gb_T22508, gb_H36196 and gb_AI100134 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68532	Strand	-
Start	16458	End	25796
Name	OJ991028_05.0211.C7.o4.np	Method	AAT/NAP
Start	23974	End	25628
GI	5103835	Score	539
Exons	23974..24042, 24154..24278, 24401..24480, 25236..25349, 25576..25628		
GI Descrip.	(AC007591) ESTs gb|T22508, gb|H36196 and gb|AI100134 come from this gene. [Arabidopsis thaliana]		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68533	Strand	-
Start	26410	End	29754
Name	OJ991028_05.0211.C7.o7.gs	Method	GENSCAN
Start	26410	End	28512
GI	none	Score	.93
Exons	26410..28512		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68533	Strand	-
Start	26410	End	29754

Name	OJ991028_05.0211.C7.o5.np	Method	AAT/NAP
Start	26413	End	29754
GI	2244996	Score	895
Exons	26413..28082, 29711..29754		
GI Descrip.	(Z97341) salt-inducible protein homolog [Arabidopsis thaliana]		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68533	Strand	-
Start	26410	End	29754
Name	OJ991028_05.0211.C7.o6.gp	Method	AAT/GAP
Start	27334	End	27844
GI	uC-osflcyp124f05b1	Score	983
Exons	27334..27844		
GI Descrip.	'2244996/emb|CAB10416.1| 4.0e-37 (Z97341) salt-inducible protein homolog [Arabidopsis thaliana]'		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o4.tc	Method	TBLASTX:Cress
Start	1533	End	2127
GI	none	Score	153
Exons	1533..1646, 1535..1726, 1548..1721, 1989..2126, 1993..2127		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o9.ts	Method	TBLASTX:Soybean
Start	1535	End	1726
GI	none	Score	134
Exons	1535..1633, 1577..1726, 1578..1724		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o9.tm	Method	TBLASTX:Maize
Start	1547	End	1718
GI	none	Score	194
Exons	1547..1717, 1548..1718		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o5.tm	Method	TBLASTX:Maize
Start	1987	End	3143
GI	none	Score	241
Exons	1987..2181, 1989..2222, 2981..3037, 3000..3071, 3119..3139, 3120..3143		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o8.ts	Method	TBLASTX:Soybean
Start	2019	End	3037
GI	none	Score	98
Exons	2019..2117, 2023..2118, 2107..2181, 2112..2270, 2981..3037		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o6.ts	Method	TBLASTX:Soybean
Start	4419	End	5395
GI	none	Score	86
Exons	4419..4514, 4429..4515, 4565..4723, 4603..4725, 4606..4752, 5203..5274, 5366..5395		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o6.tm	Method	TBLASTX:Maize
Start	4423	End	4737
GI	none	Score	116
Exons	4423..4512, 4425..4514, 4425..4514, 4426..4515, 4565..4726, 4603..4737, 4605..4736, 4606..4737		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o11.tm	Method	TBLASTX:Maize
Start	5201	End	5747
GI	none	Score	99
Exons	5201..5272, 5202..5276, 5203..5277, 5203..5274, 5358..5423, 5359..5448, 5360..5446, 5371..5451, 5577..5606, 5578..5607, 5600..5746, 5609..5746, 5613..5747		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o3.ts	Method	TBLASTX:Soybean
Start	5607	End	5990
GI	none	Score	129
Exons	5607..5786, 5612..5785, 5859..5990, 5860..5988		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o8.tm	Method	TBLASTX:Maize
Start	5748	End	9512
GI	none	Score	42
Exons	5748..5783, 5753..5782, 5863..6018, 5865..6026, 6529..6684, 6535..6663, 6539..6667, 7349..7444, 7350..7445, 8183..8248, 8188..8250, 8322..8471, 8323..8460, 8323..8472, 9318..9512, 9319..9510, 9327..9512		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o7.ts	Method	TBLASTX:Soybean
Start	6598	End	26940
GI	none	Score	90
Exons	6598..6657, 7364..7444, 7365..7445, 7368..7445, 8183..8248, 8188..8250, 8322..8432, 8323..8421, 9369..9512, 9370..9513, 9424..9513, 9622..9726, 10715..10789, 10725..10787, 26848..26940		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o1.tw	Method	TBLASTX:Wheat
Start	16740	End	17217
GI	none	Score	270
Exons	16740..16805, 16921..16974, 16923..17210, 16923..17216, 16996..17217		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o3.tm	Method	TBLASTX:Maize
Start	16920	End	17981
GI	none	Score	187
Exons	16920..17159, 16921..17160, 16923..17159, 17167..17253, 17181..17255, 17308..17382, 17337..17417, 17339..17416, 17414..17506, 17415..17528, 17418..17510, 17422..17529, 17773..17877, 17808..17981, 17813..17884, 17820..17975		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o2.ts	Method	TBLASTX:Soybean
Start	19168	End	19739
GI	none	Score	115
Exons	19168..19320, 19188..19307, 19410..19592, 19411..19590, 19608..19739, 19700..19738		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o2.tc	Method	TBLASTX:Cress
Start	23968	End	24463
GI	none	Score	54
Exons	23968..24054, 23978..24043, 24155..24295, 24157..24279, 24401..24463, 24402..24440		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o7.tm	Method	TBLASTX:Maize
Start	23968	End	25634
GI	none	Score	109
Exons	23968..24054, 23969..24043, 24144..24284, 24154..24279, 24155..24295, 24401..24481, 24402..24482, 24424..24483, 25218..25349, 25234..25359, 25235..25369, 25242..25400, 25492..25527, 25572..25634, 25578..25628		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o4.ts	Method	TBLASTX:Soybean
Start	23969	End	25634
GI	none	Score	85
Exons	23969..24046, 23977..24054, 24145..24276, 24154..24279, 24161..24295, 24402..24482, 24405..24470, 25235..25369,		

25242..25349, 25572..25634

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o2.tw	Method	TBLASTX:Wheat
Start	24184	End	25644
GI	none	Score	105
Exons	24184..24273, 24185..24295, 24185..24283, 24282..24341, 24401..24481, 24402..24482, 24403..24483, 24424..24483, 25233..25352, 25235..25369, 25242..25352, 25572..25631, 25573..25644, 25575..25628		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o5.tc	Method	TBLASTX:Cress
Start	25235	End	25628
GI	none	Score	139
Exons	25235..25369, 25242..25370, 25572..25628		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o2.tm	Method	TBLASTX:Maize
Start	26453	End	26890
GI	none	Score	169
Exons	26453..26617, 26455..26625, 26455..26625, 26632..26883, 26633..26890		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o1.tm	Method	TBLASTX:Maize
Start	26890	End	27690
GI	none	Score	593
Exons	26890..27438, 26894..27436, 27331..27585, 27442..27690		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o5.ts	Method	TBLASTX:Soybean
Start	26998	End	27567
GI	none	Score	133
Exons	26998..27240, 27008..27241, 27337..27567		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o10.ts	Method	TBLASTX:Soybean
Start	27568	End	27714
GI	none	Score	109
Exons	27568..27714, 27569..27700		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197

Name	OJ991028_05.0211.C7.o10.tm	Method	TBLASTX:Maize
Start	27691	End	27985
GI	none	Score	77
Exons	27691..27801, 27814..27984, 27821..27985		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o6.np	Method	AAT/NAP
Start	31083	End	32143
GI	4454019	Score	645
Exons	31083..32143		
GI Descrip.	(AL035396) SRG1-like protein [Arabidopsis thaliana]		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o1.ts	Method	TBLASTX:Soybean
Start	31128	End	31925
GI	none	Score	104
Exons	31128..31481, 31225..31482, 31248..31487, 31494..31523, 31560..31655, 31674..31925, 31699..31914		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o1.tc	Method	TBLASTX:Cress
Start	31188	End	31589
GI	none	Score	187
Exons	31188..31496, 31204..31482, 31482..31589		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o4.tm	Method	TBLASTX:Maize
Start	31341	End	32117
GI	none	Score	48
Exons	31341..31433, 31353..31412, 31416..31472, 31416..31508, 31439..31510, 31497..31529, 31497..31529, 31569..31670, 31656..31949, 31672..31911, 31956..31988, 32085..32117		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o3.tc	Method	TBLASTX:Cress
Start	31671	End	31946
GI	none	Score	163
Exons	31671..31946, 31702..31914		

Seq. No.	33045	Seq. ID	OJ991028_05.0211.C7
Gene No.	68534	Strand	-
Start	31083	End	32197
Name	OJ991028_05.0211.C7.o8.gp	Method	AAT/GAP
Start	31705	End	32197
GI	27137_1.R1084	Score	904
Exons	31705..32197		
GI Descrip.	'629561/pir||S44261 2.0e-13 SRG1 protein - Arabidopsis thaliana		

>gi_479047_emb_CAA55654_ (X79052) SRG1 [Arabidopsis thaliana]
>gi_5734767_gb_AAD50032.1_AC007651_27 (AC007651) SRG1 Protein
[Arabidopsis thaliana]'

Seq. No.	33046	Seq. ID	OJ991028_05.0211.C8
Gene No.	68535	Strand	+
Start	3122	End	3757
Name	OJ991028_05.0211.C8.o2.gs	Method	GENSCAN
Start	3122	End	3757
GI	none	Score	.43
Exons	3122..3140, 3608..3757		

Seq. No.	33046	Seq. ID	OJ991028_05.0211.C8
Gene No.	68536	Strand	-
Start	1	End	935
Name	OJ991028_05.0211.C8.o1.np	Method	AAT/NAP
Start	1	End	932
GI	5091604	Score	136
Exons	1..38, 598..932		
GI Descrip.	(AC007858) 10A19I.8 [Oryza sativa]		

Seq. No.	33046	Seq. ID	OJ991028_05.0211.C8
Gene No.	68536	Strand	-
Start	1	End	935
Name	OJ991028_05.0211.C8.o1.gs	Method	GENSCAN
Start	491	End	920
GI	none	Score	.53
Exons	491..512, 679..920		

Seq. No.	33046	Seq. ID	OJ991028_05.0211.C8
Gene No.	68536	Strand	-
Start	1	End	935
Name	OJ991028_05.0211.C8.o1.tm	Method	TBLASTX:Maize
Start	738	End	935
GI	none	Score	122
Exons	738..935, 739..921		

Seq. No.	33047	Seq. ID	OJ991028_05.0211.C10
Gene No.	68537	Strand	-
Start	757	End	3250
Name	OJ991028_05.0211.C10.o1.gp	Method	AAT/GAP
Start	671	End	1619
GI	none	Score	1285
Exons	671..731, 822..1192, 1282..1619		

Seq. No.	33047	Seq. ID	OJ991028_05.0211.C10
Gene No.	68537	Strand	-
Start	757	End	3250
Name	OJ991028_05.0211.C10.o1.gs	Method	GENSCAN
Start	757	End	3250
GI	none	Score	.83
Exons	757..907, 988..1058, 1282..1717, 1837..1988, 2190..2253, 2341..2422, 2517..2644, 2907..3003, 3118..3250		

Seq. No.	33048	Seq. ID	OJ991028_05.0211.C11
Gene No.	68538	Strand	-
Start	532	End	5400

Name	OJ991028_05.0211.C11.o1.np	Method	AAT/NAP
Start	514	End	5400
GI	6815072	Score	1119
Exons	514..1296, 4354..5400		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	33048	Seq. ID	OJ991028_05.0211.C11
Gene No.	68538	Strand	-
Start	532	End	5400
Name	OJ991028_05.0211.C11.o1.gs	Method	GENSCAN
Start	532	End	5376
GI	none	Score	.42
Exons	532..657, 832..1179, 1687..1817, 2002..2083, 2300..2711, 3424..3550, 4374..5376		

Seq. No.	33048	Seq. ID	OJ991028_05.0211.C11
Gene No.	68538	Strand	-
Start	532	End	5400
Name	OJ991028_05.0211.C11.o1.ts	Method	TBLASTX:Soybean
Start	607	End	789
GI	none	Score	100
Exons	607..789, 629..787		

Seq. No.	33048	Seq. ID	OJ991028_05.0211.C11
Gene No.	68538	Strand	-
Start	532	End	5400
Name	OJ991028_05.0211.C11.o2.tm	Method	TBLASTX:Maize
Start	715	End	1035
GI	none	Score	46
Exons	715..789, 718..786, 808..1035, 809..1033		

Seq. No.	33048	Seq. ID	OJ991028_05.0211.C11
Gene No.	68538	Strand	-
Start	532	End	5400
Name	OJ991028_05.0211.C11.o1.tc	Method	TBLASTX:Cress
Start	781	End	1026
GI	none	Score	201
Exons	781..1026		

Seq. No.	33048	Seq. ID	OJ991028_05.0211.C11
Gene No.	68538	Strand	-
Start	532	End	5400
Name	OJ991028_05.0211.C11.o1.tm	Method	TBLASTX:Maize
Start	4399	End	4761
GI	none	Score	151
Exons	4399..4761, 4511..4741		

Seq. No.	33049	Seq. ID	OJ991028_05.0211.C13
Gene No.	68539	Strand	+
Start	1	End	222
Name	OJ991028_05.0211.C13.o1.np	Method	AAT/NAP
Start	1	End	222
GI	1781228	Score	219
Exons	1..222		
GI Descrip.	(Z83867) fadE24 [Mycobacterium tuberculosis]		

Seq. No.	33049	Seq. ID	OJ991028_05.0211.C13
Gene No.	68540	Strand	+
Start	248	End	670
Name	OJ991028_05.0211.C13.o2.np	Method	AAT/NAP
Start	248	End	670
GI	2623972	Score	643
Exons	248..670		
GI Descrip.	(AJ002316) putative acyl-CoA dehydrogenase [Acinetobacter sp. ADP1]		

Seq. No.	33050	Seq. ID	OJ991018_04.0211.C2
Gene No.	68541	Strand	+
Start	76	End	175
Name	OJ991018_04.0211.C2.o1.gs	Method	GENSCAN
Start	76	End	175
GI	none	Score	.59
Exons	76..175		

Seq. No.	33051	Seq. ID	OJ991018_04.0211.C3
Gene No.	68542	Strand	-
Start	695	End	7616
Name	OJ991018_04.0211.C3.o1.np	Method	AAT/NAP
Start	695	End	4377
GI	5091513	Score	1632
Exons	695..857, 1652..1986, 2030..2324, 2351..2883, 3637..4377		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	33051	Seq. ID	OJ991018_04.0211.C3
Gene No.	68542	Strand	-
Start	695	End	7616
Name	OJ991018_04.0211.C3.o1.gs	Method	GENSCAN
Start	1387	End	2846
GI	none	Score	.74
Exons	1387..1833, 1850..2428, 2451..2846		

Seq. No.	33051	Seq. ID	OJ991018_04.0211.C3
Gene No.	68542	Strand	-
Start	695	End	7616
Name	OJ991018_04.0211.C3.o2.gs	Method	GENSCAN
Start	3788	End	7616
GI	none	Score	.64
Exons	3788..4116, 4208..4429, 5058..5226, 5231..5291, 6331..6491, 7242..7295, 7485..7616		

Seq. No.	33051	Seq. ID	OJ991018_04.0211.C3
Gene No.	68543	Strand	-
Start	7670	End	7974
Name	OJ991018_04.0211.C3.o1.tc	Method	TBLASTX:Cress
Start	7643	End	7930
GI	none	Score	351
Exons	7643..7930, 7644..7928, 7651..7929		

Seq. No.	33051	Seq. ID	OJ991018_04.0211.C3
Gene No.	68543	Strand	-
Start	7670	End	7974
Name	OJ991018_04.0211.C3.o1.ts	Method	TBLASTX:Soybean
Start	7652	End	7949

GI	none	Score	258
Exons	7652..7927, 7655..7912, 7656..7949		

Seq. No.	33051	Seq. ID	OJ991018_04.0211.C3
Gene No.	68543	Strand	-
Start	7670	End	7974
Name	OJ991018_04.0211.C3.o2.np	Method	AAT/NAP
Start	7670	End	7912
GI	131164	Score	416
Exons	7670..7912		
GI Descrip.	PHOTOSYSTEM I IRON-SULFUR CENTER (PHOTOSYSTEM I SUBUNIT VII) (9 KD POLYPEPTIDE) (PSI-C) gi|65727|pir||FERZA photosystem I iron-sulfur protein psaC - rice chloroplast gi|65728|pir||FEWT1 photosystem I iron-sulfur protein psaC - wheat chloroplast gi|12051|emb|CAA33954| (X15901) PSI 9kDa protein [Oryza sativa] gi|12350|emb|CAA31555| (X13158) photosystem I 8 kDa subunit		

Seq. No.	33051	Seq. ID	OJ991018_04.0211.C3
Gene No.	68543	Strand	-
Start	7670	End	7974
Name	OJ991018_04.0211.C3.o1.tm	Method	TBLASTX:Maize
Start	7747	End	7974
GI	none	Score	346
Exons	7747..7974, 7748..7957		

Seq. No.	33052	Seq. ID	OJ991018_04.0211.C4
Gene No.	68544	Strand	+
Start	11037	End	13254
Name	OJ991018_04.0211.C4.o3.gs	Method	GENSCAN
Start	11037	End	13254
GI	none	Score	.6
Exons	11037..11145, 11673..11748, 12728..12775, 13179..13254		

Seq. No.	33052	Seq. ID	OJ991018_04.0211.C4
Gene No.	68545	Strand	-
Start	1	End	109
Name	OJ991018_04.0211.C4.o1.gp	Method	AAT/GAP
Start	1	End	109
GI	2797226	Score	195
Exons	1..109		

Seq. No.	33052	Seq. ID	OJ991018_04.0211.C4
Gene No.	68546	Strand	-
Start	10	End	2818
Name	OJ991018_04.0211.C4.o1.np	Method	AAT/NAP
Start	10	End	2495
GI	2499524	Score	475
Exons	10..47, 314..1068, 1393..1447, 1679..2195, 2300..2495		
GI Descrip.	RENAL SODIUM/DICARBOXYLATE COTRANSPORTER (NA(+)/DICARBOXYLATE COTRANSPORTER) gi|2137022|pir||I46528 sodium/dicarboxylate cotransporter - rabbit (fragment) gi|758384 (U12186) sodium/dicarboxylate cotransporter [Oryctolagus cuniculus]		

Seq. No.	33052	Seq. ID	OJ991018_04.0211.C4
Gene No.	68546	Strand	-
Start	10	End	2818
Name	OJ991018_04.0211.C4.o2.gp	Method	AAT/GAP

Start	105	End	1053
GI	16167_1.R1084	Score	1257
Exons	105..205, 371..881, 977..1053		
GI Descrip.	'4322346/gb|AAD16019| 2.0e-27 (AF081825) sodium-dependent high-affinity dicarboxylate transporter [Rattus norvegicus] >gi_4837725_gb_AAD30657.1_AF080451_1 (AF080451) sodium-dependent dicarboxylate transporter SDCT2 [Rattus norvegicus]'		

Seq. No.	33052	Seq. ID	OJ991018_04.0211.C4
Gene No.	68546	Strand	-
Start	10	End	2818
Name	OJ991018_04.0211.C4.o1.gs	Method	GENSCAN
Start	351	End	2744
GI	none	Score	.86
Exons	351..881, 977..1072, 1397..1440, 1704..2208, 2304..2744		

Seq. No.	33052	Seq. ID	OJ991018_04.0211.C4
Gene No.	68546	Strand	-
Start	10	End	2818
Name	OJ991018_04.0211.C4.o3.gp	Method	AAT/GAP
Start	2582	End	2818
GI	1632104	Score	417
Exons	2582..2818		

Seq. No.	33052	Seq. ID	OJ991018_04.0211.C4
Gene No.	68547	Strand	-
Start	3683	End	10619
Name	OJ991018_04.0211.C4.o2.gs	Method	GENSCAN
Start	3683	End	10601
GI	none	Score	.42
Exons	3683..3802, 3856..3947, 4009..4066, 4778..5050, 5466..5493, 8781..9284, 9295..9557, 10300..10367, 10463..10601		

Seq. No.	33052	Seq. ID	OJ991018_04.0211.C4
Gene No.	68547	Strand	-
Start	3683	End	10619
Name	OJ991018_04.0211.C4.o2.np	Method	AAT/NAP
Start	8804	End	10619
GI	6651245	Score	934
Exons	8804..9284, 9391..9557, 10300..10367, 10463..10619		
GI Descrip.	(AF154003) pirin [Lycopersicon esculentum]		

Seq. No.	33052	Seq. ID	OJ991018_04.0211.C4
Gene No.	68548	Strand	-
Start	14460	End	14519
Name	OJ991018_04.0211.C4.o2.tm	Method	TBLASTX:Maize
Start	369	End	647
GI	none	Score	181
Exons	369..647, 370..573		

Seq. No.	33052	Seq. ID	OJ991018_04.0211.C4
Gene No.	68548	Strand	-
Start	14460	End	14519
Name	OJ991018_04.0211.C4.o3.tc	Method	TBLASTX:Cress
Start	369	End	596
GI	none	Score	159
Exons	369..596, 370..567		

Seq. No.	33052	Seq. ID	OJ991018_04.0211.C4
Gene No.	68548	Strand	-
Start	14460	End	14519
Name	OJ991018_04.0211.C4.o4.ts	Method	TBLASTX:Soybean
Start	405	End	821
GI	none	Score	122
Exons	405..626, 406..561, 594..821,	664..789	

Seq. No.	33052	Seq. ID	OJ991018_04.0211.C4
Gene No.	68548	Strand	-
Start	14460	End	14519
Name	OJ991018_04.0211.C4.o4.tm	Method	TBLASTX:Maize
Start	693	End	893
GI	none	Score	55
Exons	693..740, 693..881, 694..882,	789..893	

Seq. No.	33052	Seq. ID	OJ991018_04.0211.C4
Gene No.	68548	Strand	-
Start	14460	End	14519
Name	OJ991018_04.0211.C4.o3.ts	Method	TBLASTX:Soybean
Start	1004	End	2083
GI	none	Score	73
Exons	1004..1069, 1005..1067, 1690..2004, 1702..1920, 1784..1921, 2024..2083		

Seq. No.	33052	Seq. ID	OJ991018_04.0211.C4
Gene No.	68548	Strand	-
Start	14460	End	14519
Name	OJ991018_04.0211.C4.o2.tc	Method	TBLASTX:Cress
Start	1895	End	2214
GI	none	Score	71
Exons	1895..2041, 1897..2004, 2056..2214, 2072..2209		

Seq. No.	33052	Seq. ID	OJ991018_04.0211.C4
Gene No.	68548	Strand	-
Start	14460	End	14519
Name	OJ991018_04.0211.C4.o2.ts	Method	TBLASTX:Soybean
Start	2083	End	2714
GI	none	Score	72
Exons	2083..2223, 2084..2206, 2107..2229, 2301..2714, 2329..2613		

Seq. No.	33052	Seq. ID	OJ991018_04.0211.C4
Gene No.	68548	Strand	-
Start	14460	End	14519
Name	OJ991018_04.0211.C4.o1.tc	Method	TBLASTX:Cress
Start	2301	End	2681
GI	none	Score	211
Exons	2301..2537, 2323..2538, 2547..2681		

Seq. No.	33052	Seq. ID	OJ991018_04.0211.C4
Gene No.	68548	Strand	-
Start	14460	End	14519
Name	OJ991018_04.0211.C4.o3.tm	Method	TBLASTX:Maize
Start	2461	End	2766
GI	none	Score	254
Exons	2461..2748, 2463..2627, 2622..2672, 2670..2747, 2695..2766,		

2700..2759

Seq. No.	33052	Seq. ID	OJ991018_04.0211.C4
Gene No.	68548	Strand	-
Start	14460	End	14519
Name	OJ991018_04.0211.C4.o1.ts	Method	TBLASTX:Soybean
Start	8804	End	10610
GI	none	Score	82
Exons	8804..8989, 8889..9023, 9077..9283, 9141..9287, 9390..9566, 9391..9558, 10292..10369, 10294..10386, 10464..10610, 10465..10593		

Seq. No.	33052	Seq. ID	OJ991018_04.0211.C4
Gene No.	68548	Strand	-
Start	14460	End	14519
Name	OJ991018_04.0211.C4.o5.tm	Method	TBLASTX:Maize
Start	8807	End	9007
GI	none	Score	116
Exons	8807..8989, 8889..8981, 8894..9007		

Seq. No.	33052	Seq. ID	OJ991018_04.0211.C4
Gene No.	68548	Strand	-
Start	14460	End	14519
Name	OJ991018_04.0211.C4.o1.tm	Method	TBLASTX:Maize
Start	9161	End	10350
GI	none	Score	83
Exons	9161..9226, 9162..9227, 9233..9283, 9237..9287, 9390..9566, 9391..9558, 9521..9562, 10300..10350		

Seq. No.	33052	Seq. ID	OJ991018_04.0211.C4
Gene No.	68548	Strand	-
Start	14460	End	14519
Name	OJ991018_04.0211.C4.o4.gs	Method	GENSCAN
Start	14460	End	14519
GI	none	Score	.46
Exons	14460..14519		

Seq. No.	33053	Seq. ID	OJ991018_04.0211.C5
Gene No.	68549	Strand	+
Start	102	End	256
Name	OJ991018_04.0211.C5.o1.gs	Method	GENSCAN
Start	102	End	256
GI	none	Score	.5
Exons	102..256		

Seq. No.	33053	Seq. ID	OJ991018_04.0211.C5
Gene No.	68550	Strand	+
Start	2198	End	8992
Name	OJ991018_04.0211.C5.o1.np	Method	AAT/NAP
Start	2198	End	8992
GI	1076211	Score	108
Exons	2198..2351, 7878..8124, 8792..8992		
GI Descrip.	hypothetical protein VSP-3 - Chlamydomonas reinhardtii gi|530876 (L29029) amino acid feature: Rod protein domain, aa 266 .. 468; amino acid feature: globular protein domain, aa 32 .. 265 [Chlamydomonas reinhardtii]		

Seq. No.	33053	Seq. ID	OJ991018_04.0211.C5
Gene No.	68551	Strand	-
Start	2034	End	6176
Name	OJ991018_04.0211.C5.o2.gs	Method	GENSCAN
Start	2034	End	6176
GI	none	Score	.58
Exons	2034..2474, 2489..2601, 2660..2722, 3426..3573, 3693..3941, 6063..6176		

Seq. No.	33053	Seq. ID	OJ991018_04.0211.C5
Gene No.	68552	Strand	-
Start	7766	End	8439
Name	OJ991018_04.0211.C5.o3.gs	Method	GENSCAN
Start	7766	End	8439
GI	none	Score	.72
Exons	7766..7794, 7929..8135, 8260..8439		

Seq. No.	33054	Seq. ID	OJ991018_04.0211.C6
Gene No.	68553	Strand	+
Start	1	End	3281
Name	OJ991018_04.0211.C6.o1.np	Method	AAT/NAP
Start	1	End	3281
GI	3885463	Score	81
Exons	1..284, 3198..3281		
GI Descrip.	(AF058699) polyprotein [bovine viral diarrhea virus strain Rit 4350]		

Seq. No.	33054	Seq. ID	OJ991018_04.0211.C6
Gene No.	68553	Strand	+
Start	1	End	3281
Name	OJ991018_04.0211.C6.o2.np	Method	AAT/NAP
Start	1	End	3281
GI	5823568	Score	683
Exons	1..408, 460..1617, 3022..3281		
GI Descrip.	(AL049730) polyubiquitin-like protein [Arabidopsis thaliana]		

Seq. No.	33054	Seq. ID	OJ991018_04.0211.C6
Gene No.	68553	Strand	+
Start	1	End	3281
Name	OJ991018_04.0211.C6.o1.gs	Method	GENSCAN
Start	99	End	2448
GI	none	Score	.79
Exons	99..1617, 2363..2448		

Seq. No.	33054	Seq. ID	OJ991018_04.0211.C6
Gene No.	68553	Strand	+
Start	1	End	3281
Name	OJ991018_04.0211.C6.o1.tm	Method	TBLASTX:Maize
Start	793	End	1209
GI	none	Score	459
Exons	793..1014, 794..1207, 795..1208, 823..1209, 1090..1209		

Seq. No.	33054	Seq. ID	OJ991018_04.0211.C6
Gene No.	68553	Strand	+
Start	1	End	3281
Name	OJ991018_04.0211.C6.o1.gp	Method	AAT/GAP
Start	878	End	1341

GI	2310324	Score	841
Exons	878..1341		

Seq. No.	33054	Seq. ID	OJ991018_04.0211.C6
Gene No.	68553	Strand	+
Start	1	End	3281
Name	OJ991018_04.0211.C6.o2.tm	Method	TBLASTX:Maize
Start	1210	End	1427
GI	none	Score	174
Exons	1210..1425, 1210..1425, 1212..1427		

Seq. No.	33054	Seq. ID	OJ991018_04.0211.C6
Gene No.	68553	Strand	+
Start	1	End	3281
Name	OJ991018_04.0211.C6.o1.ts	Method	TBLASTX:Soybean
Start	1251	End	1613
GI	none	Score	229
Exons	1251..1487, 1266..1436, 1412..1480, 1417..1554, 1481..1606, 1482..1613		

Seq. No.	33054	Seq. ID	OJ991018_04.0211.C6
Gene No.	68553	Strand	+
Start	1	End	3281
Name	OJ991018_04.0211.C6.o1.tc	Method	TBLASTX:Cress
Start	1371	End	3143
GI	none	Score	264
Exons	1371..1613, 1400..1612, 3020..3139, 3021..3143		

Seq. No.	33054	Seq. ID	OJ991018_04.0211.C6
Gene No.	68553	Strand	+
Start	1	End	3281
Name	OJ991018_04.0211.C6.o3.tm	Method	TBLASTX:Maize
Start	1430	End	3233
GI	none	Score	113
Exons	1430..1615, 1431..1634, 1433..1612, 3017..3232, 3020..3232, 3024..3233		

Seq. No.	33055	Seq. ID	OJ991018_04.0211.C7
Gene No.	68554	Strand	+
Start	1041	End	1292
Name	OJ991018_04.0211.C7.o1.np	Method	AAT/NAP
Start	1041	End	1292
GI	5823568	Score	253
Exons	1041..1292		
GI Descrip.	(AL049730) polyubiquitin-like protein [Arabidopsis thaliana]		

Seq. No.	33055	Seq. ID	OJ991018_04.0211.C7
Gene No.	68555	Strand	-
Start	418	End	963
Name	OJ991018_04.0211.C7.o1.gs	Method	GENSCAN
Start	418	End	963
GI	none	Score	.42
Exons	418..529, 917..963		

Seq. No.	33055	Seq. ID	OJ991018_04.0211.C7
Gene No.	68556	Strand	
Start	1029	End	1298

Name	OJ991018_04.0211.C7.o1.ts	Method	TBLASTX:Soybean
Start	1029	End	1298
GI	none	Score	322
Exons	1029..1298, 1033..1221, 1073..1297, 1074..1298		

Seq. No.	33056	Seq. ID	OJ991018_04.0211.C8
Gene No.	68557	Strand	+
Start	1000	End	1342
Name	OJ991018_04.0211.C8.o2.gs	Method	GENSCAN
Start	1000	End	1342
GI	none	Score	.99
Exons	1000..1086, 1091..1342		

Seq. No.	33056	Seq. ID	OJ991018_04.0211.C8
Gene No.	68558	Strand	-
Start	47	End	182
Name	OJ991018_04.0211.C8.o1.gs	Method	GENSCAN
Start	47	End	182
GI	none	Score	.91
Exons	47..182		

Seq. No.	33056	Seq. ID	OJ991018_04.0211.C8
Gene No.	68559	Strand	-
Start	1174	End	2384
Name	OJ991018_04.0211.C8.o1.gp	Method	AAT/GAP
Start	1174	End	2384
GI	none	Score	2081
Exons	1174..2112, 2259..2384		

Seq. No.	33056	Seq. ID	OJ991018_04.0211.C8
Gene No.	68559	Strand	-
Start	1174	End	2384
Name	OJ991018_04.0211.C8.o3.gs	Method	GENSCAN
Start	1675	End	2273
GI	none	Score	.99
Exons	1675..2112, 2259..2273		

Seq. No.	33057	Seq. ID	OJ991018_04.0211.C11
Gene No.	68560	Strand	-
Start	53	End	4083
Name	OJ991018_04.0211.C11.o1.gp	Method	AAT/GAP
Start	53	End	661
GI	48743_1.R1084	Score	1210
Exons	53..661		
GI Descrip.	'4678268/emb|CAB41176.1| 1.0e-34 (AL049660) putative protein [Arabidopsis thaliana]'		

Seq. No.	33057	Seq. ID	OJ991018_04.0211.C11
Gene No.	68560	Strand	-
Start	53	End	4083
Name	OJ991018_04.0211.C11.o1.gs	Method	GENSCAN
Start	249	End	4080
GI	none	Score	.57
Exons	249..706, 1690..1733, 2134..2189, 2253..2620, 2975..3306, 3530..4080		

Seq. No.	33057	Seq. ID	OJ991018_04.0211.C11

Gene No.	68560	Strand	-
Start	53	End	4083
Name	OJ991018_04.0211.C11.o1.np	Method	AAT/NAP
Start	252	End	4083
GI	4678268	Score	1687
Exons	252..512, 1669..1829, 2134..2620, 2975..3306, 3530..4083		
GI Descrip.	(AL049660) putative protein [Arabidopsis thaliana]		

Seq. No.	33057	Seq. ID	OJ991018_04.0211.C11
Gene No.	68561	Strand	-
Start	5377	End	5523
Name	OJ991018_04.0211.C11.o2.tm	Method	TBLASTX:Maize
Start	35	End	500
GI	none	Score	66
Exons	35..106, 76..177, 86..115, 171..212, 219..500, 220..435		

Seq. No.	33057	Seq. ID	OJ991018_04.0211.C11
Gene No.	68561	Strand	-
Start	5377	End	5523
Name	OJ991018_04.0211.C11.o1.tc	Method	TBLASTX:Cress
Start	237	End	500
GI	none	Score	159
Exons	237..500, 271..435		

Seq. No.	33057	Seq. ID	OJ991018_04.0211.C11
Gene No.	68561	Strand	-
Start	5377	End	5523
Name	OJ991018_04.0211.C11.o1.tw	Method	TBLASTX:Wheat
Start	270	End	500
GI	none	Score	262
Exons	270..500, 274..435		

Seq. No.	33057	Seq. ID	OJ991018_04.0211.C11
Gene No.	68561	Strand	-
Start	5377	End	5523
Name	OJ991018_04.0211.C11.o2.ts	Method	TBLASTX:Soybean
Start	288	End	501
GI	none	Score	183
Exons	288..500, 292..501		

Seq. No.	33057	Seq. ID	OJ991018_04.0211.C11
Gene No.	68561	Strand	-
Start	5377	End	5523
Name	OJ991018_04.0211.C11.o1.tm	Method	TBLASTX:Maize
Start	2139	End	2523
GI	none	Score	512
Exons	2139..2522, 2140..2520, 2140..2523		

Seq. No.	33057	Seq. ID	OJ991018_04.0211.C11
Gene No.	68561	Strand	-
Start	5377	End	5523
Name	OJ991018_04.0211.C11.o1.ts	Method	TBLASTX:Soybean
Start	2211	End	2601
GI	none	Score	162
Exons	2211..2600, 2211..2600, 2230..2601, 2236..2601		

Seq. No.	33057	Seq. ID	OJ991018_04.0211.C11

Gene No.	68561	Strand	-
Start	5377	End	5523
Name	OJ991018_04.0211.C11.o3.tm	Method	TBLASTX:Maize
Start	2552	End	3316
GI	none	Score	63
Exons	2552..2623, 2974..3000, 2974..3000, 2994..3191, 3006..3305, 3007..3297, 3152..3316, 3247..3312		

Seq. No.	33057	Seq. ID	OJ991018_04.0211.C11
Gene No.	68561	Strand	-
Start	5377	End	5523
Name	OJ991018_04.0211.C11.o3.ts	Method	TBLASTX:Soybean
Start	3712	End	3900
GI	none	Score	143
Exons	3712..3900, 3713..3871		

Seq. No.	33057	Seq. ID	OJ991018_04.0211.C11
Gene No.	68561	Strand	-
Start	5377	End	5523
Name	OJ991018_04.0211.C11.o4.tm	Method	TBLASTX:Maize
Start	3739	End	3903
GI	none	Score	202
Exons	3739..3903, 3740..3871, 3751..3876		

Seq. No.	33057	Seq. ID	OJ991018_04.0211.C11
Gene No.	68561	Strand	-
Start	5377	End	5523
Name	OJ991018_04.0211.C11.o2.gs	Method	GENSCAN
Start	5377	End	5523
GI	none	Score	.49
Exons	5377..5523		

Seq. No.	33058	Seq. ID	OJ991018_04.0211.C12
Gene No.	68562	Strand	+
Start	818	End	3244
Name	OJ991018_04.0211.C12.o1.np	Method	AAT/NAP
Start	818	End	2624
GI	6729524	Score	378
Exons	818..1206, 1297..1416, 1557..1636, 1775..1815, 1913..2011, 2456..2624		
GI Descrip.	(AL132977) putative protein [Arabidopsis thaliana]		

Seq. No.	33058	Seq. ID	OJ991018_04.0211.C12
Gene No.	68562	Strand	+
Start	818	End	3244
Name	OJ991018_04.0211.C12.o1.gs	Method	GENSCAN
Start	927	End	3244
GI	none	Score	.42
Exons	927..1426, 1519..1636, 1775..1912, 2487..2614, 3037..3244		

Seq. No.	33058	Seq. ID	OJ991018_04.0211.C12
Gene No.	68562	Strand	+
Start	818	End	3244
Name	OJ991018_04.0211.C12.o1.tm	Method	TBLASTX:Maize
Start	944	End	2680
GI	none	Score	111
Exons	944..1111, 978..1112, 1120..1236, 1120..1197, 1254..1415,		

1284..1418, 1289..1417, 1514..1585, 1519..1581, 1772..1822, 1774..1839, 1775..1816, 1913..2008, 1914..2012, 2442..2627, 2446..2661, 2456..2680, 2591..2659

Seq. No.	33058	Seq. ID	OJ991018_04.0211.C12
Gene No.	68562	Strand	+
Start	818	End	3244
Name	OJ991018_04.0211.C12.o1.gp	Method	AAT/GAP
Start	1913	End	2631
GI	969014	Score	387
Exons	1913..2011, 2456..2631		

Seq. No.	33058	Seq. ID	OJ991018_04.0211.C12
Gene No.	68562	Strand	+
Start	818	End	3244
Name	OJ991018_04.0211.C12.o1.ts	Method	TBLASTX:Soybean
Start	2433	End	2642
GI	none	Score	246
Exons	2433..2642, 2447..2641		

Seq. No.	33058	Seq. ID	OJ991018_04.0211.C12
Gene No.	68562	Strand	+
Start	818	End	3244
Name	OJ991018_04.0211.C12.o1.tc	Method	TBLASTX:Cress
Start	2456	End	2588
GI	none	Score	200
Exons	2456..2587, 2457..2588		

Seq. No.	33059	Seq. ID	OJ991018_04.0211.C13
Gene No.	68563	Strand	+
Start	1	End	705
Name	OJ991018_04.0211.C13.o1.np	Method	AAT/NAP
Start	1	End	705
GI	6714320	Score	230
Exons	1..302, 561..705		
GI Descrip.	(AC016972) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33059	Seq. ID	OJ991018_04.0211.C13
Gene No.	68563	Strand	+
Start	1	End	705
Name	OJ991018_04.0211.C13.o1.tm	Method	TBLASTX:Maize
Start	18	End	282
GI	none	Score	298
Exons	18..281, 19..282		

Seq. No.	33059	Seq. ID	OJ991018_04.0211.C13
Gene No.	68563	Strand	+
Start	1	End	705
Name	OJ991018_04.0211.C13.o1.ts	Method	TBLASTX:Soybean
Start	22	End	351
GI	none	Score	209
Exons	22..351, 69..194		

Seq. No.	33059	Seq. ID	OJ991018_04.0211.C13
Gene No.	68563	Strand	+
Start	1	End	705
Name	OJ991018_04.0211.C13.o1.tc	Method	TBLASTX:Cress

Start	27	End	294
GI	none	Score	203
Exons	27..293, 28..294		

Seq. No.	33059	Seq. ID	OJ991018_04.0211.C13
Gene No.	68563	Strand	+
Start	1	End	705
Name	OJ991018_04.0211.C13.o1.gs	Method	GENSCAN
Start	49	End	619
GI	none	Score	.94
Exons	49..302, 561..619		

Seq. No.	33060	Seq. ID	OJ991018_04.0211.C14
Gene No.	68564	Strand	+
Start	57	End	173
Name	OJ991018_04.0211.C14.o1.gs	Method	GENSCAN
Start	57	End	173
GI	none	Score	.69
Exons	57..173		

Seq. No.	33061	Seq. ID	OJ991018_04.0211.C17
Gene No.	68565	Strand	+
Start	630	End	702
Name	OJ991018_04.0211.C17.o1.gs	Method	GENSCAN
Start	630	End	702
GI	none	Score	.59
Exons	630..702		

Seq. No.	33062	Seq. ID	OJ991018_04.0211.C18
Gene No.	68566	Strand	+
Start	7539	End	8211
Name	OJ991018_04.0211.C18.o2.gs	Method	GENSCAN
Start	7539	End	8211
GI	none	Score	.46
Exons	7539..8211		

Seq. No.	33062	Seq. ID	OJ991018_04.0211.C18
Gene No.	68567	Strand	-
Start	1284	End	6341
Name	OJ991018_04.0211.C18.o1.np	Method	AAT/NAP
Start	1284	End	6341
GI	5902445	Score	1045
Exons	1284..1320, 3558..4766, 6314..6341		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	33062	Seq. ID	OJ991018_04.0211.C18
Gene No.	68567	Strand	-
Start	1284	End	6341
Name	OJ991018_04.0211.C18.o3.tw	Method	TBLASTX:Wheat
Start	3561	End	3851
GI	none	Score	108
Exons	3561..3851, 3581..3850		

Seq. No.	33062	Seq. ID	OJ991018_04.0211.C18
Gene No.	68567	Strand	-
Start	1284	End	6341
Name	OJ991018_04.0211.C18.o2.ts	Method	TBLASTX:Soybean

Start	3755	End	4138
GI	none	Score	84
Exons	3755..4006, 4013..4138		

Seq. No.	33062	Seq. ID	OJ991018_04.0211.C18
Gene No.	68567	Strand	-
Start	1284	End	6341
Name	OJ991018_04.0211.C18.o2.tw	Method	TBLASTX:Wheat
Start	3854	End	4280
GI	none	Score	62
Exons	3854..4027, 3855..3998, 4035..4280, 4037..4273		

Seq. No.	33062	Seq. ID	OJ991018_04.0211.C18
Gene No.	68567	Strand	-
Start	1284	End	6341
Name	OJ991018_04.0211.C18.o1.tm	Method	TBLASTX:Maize
Start	4294	End	4684
GI	none	Score	84
Exons	4294..4332, 4337..4411, 4430..4525, 4543..4683, 4550..4684		

Seq. No.	33062	Seq. ID	OJ991018_04.0211.C18
Gene No.	68567	Strand	-
Start	1284	End	6341
Name	OJ991018_04.0211.C18.o1.ts	Method	TBLASTX:Soybean
Start	4352	End	4759
GI	none	Score	98
Exons	4352..4528, 4543..4758, 4592..4759		

Seq. No.	33062	Seq. ID	OJ991018_04.0211.C18
Gene No.	68567	Strand	-
Start	1284	End	6341
Name	OJ991018_04.0211.C18.o1.tw	Method	TBLASTX:Wheat
Start	4407	End	4768
GI	none	Score	79
Exons	4407..4538, 4409..4525, 4543..4767, 4549..4731, 4562..4768		

Seq. No.	33063	Seq. ID	OJ991018_04.0211.C19
Gene No.	68568	Strand	+
Start	1	End	5983
Name	OJ991018_04.0211.C19.o1.np	Method	AAT/NAP
Start	1	End	2340
GI	4567304	Score	1231
Exons	1..316, 405..495, 535..699, 833..1039, 1122..1295, 1455..1652, 1743..1851, 2013..2253, 2290..2340		
GI Descrip.	(AC005956) unknown protein [Arabidopsis thaliana]		

Seq. No.	33063	Seq. ID	OJ991018_04.0211.C19
Gene No.	68568	Strand	+
Start	1	End	5983
Name	OJ991018_04.0211.C19.o1.gs	Method	GENSCAN
Start	203	End	5983
GI	none	Score	.72
Exons	203..316, 441..699, 833..1039, 1122..1295, 1455..1652, 1743..1856, 2011..2331, 2905..3053, 3753..3876, 4153..4322, 5507..5537, 5664..5772, 5967..5983		

Seq. No.	33063	Seq. ID	OJ991018_04.0211.C19

Gene No.	68568	Strand	+
Start	1	End	5983
Name	OJ991018_04.0211.C19.o1.gp	Method	AAT/GAP
Start	1776	End	2408
GI	700724	Score	858
Exons	1776..1856, 2011..2408		
GI Descrip.	4567304/gb|AAD23715.1|AC005956_4 4.0e-21 (AC005956) unknown protein [Arabidopsis thaliana]		

Seq. No.	33063	Seq. ID	OJ991018_04.0211.C19
Gene No.	68568	Strand	+
Start	1	End	5983
Name	OJ991018_04.0211.C19.o2.gp	Method	AAT/GAP
Start	3581	End	3983
GI	uC-osrocyp027f12b1	Score	767
Exons	3581..3983		
GI Descrip.	'4567304/gb|AAD23715.1|AC005956_4 4.0e-21 (AC005956) unknown protein [Arabidopsis thaliana]'		

Seq. No.	33063	Seq. ID	OJ991018_04.0211.C19
Gene No.	68568	Strand	+
Start	1	End	5983
Name	OJ991018_04.0211.C19.o3.gp	Method	AAT/GAP
Start	4396	End	5050
GI	LIB3432-032-P2-K1-F5	Score	1246
Exons	4396..5050		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	33063	Seq. ID	OJ991018_04.0211.C19
Gene No.	68568	Strand	+
Start	1	End	5983
Name	OJ991018_04.0211.C19.o4.gp	Method	AAT/GAP
Start	5468	End	5979
GI	uC-osrocyp027f12a1	Score	734
Exons	5468..5564, 5664..5979		
GI Descrip.	'4567304/gb|AAD23715.1|AC005956_4 4.0e-21 (AC005956) unknown protein [Arabidopsis thaliana]'		

Seq. No.	33063	Seq. ID	OJ991018_04.0211.C19
Gene No.	68569	Strand	-
Start	7033	End	7608
Name	OJ991018_04.0211.C19.o3.ts	Method	TBLASTX:Soybean
Start	42	End	205
GI	none	Score	181
Exons	42..203, 102..203, 110..205		

Seq. No.	33063	Seq. ID	OJ991018_04.0211.C19
Gene No.	68569	Strand	-
Start	7033	End	7608
Name	OJ991018_04.0211.C19.o1.tc	Method	TBLASTX:Cress
Start	63	End	702
GI	none	Score	328
Exons	63..317, 105..317, 107..328, 110..328, 395..448, 402..536, 403..510, 606..701, 607..702		

Seq. No.	33063	Seq. ID	OJ991018_04.0211.C19

Gene No.	68569	Strand	-
Start	7033	End	7608
Name	OJ991018_04.0211.C19.o1.tm	Method	TBLASTX:Maize
Start	75	End	456
GI	none	Score	380
Exons	75..317, 83..346, 105..317, 110..328, 390..455, 403..456, 403..456		

Seq. No.	33063	Seq. ID	OJ991018_04.0211.C19
Gene No.	68569	Strand	-
Start	7033	End	7608
Name	OJ991018_04.0211.C19.o1.ts	Method	TBLASTX:Soybean
Start	432	End	1232
GI	none	Score	50
Exons	432..572, 433..576, 597..698, 598..699, 602..700, 610..699, 830..853, 860..1042, 885..1040, 886..1041, 1121..1231, 1122..1232		

Seq. No.	33063	Seq. ID	OJ991018_04.0211.C19
Gene No.	68569	Strand	-
Start	7033	End	7608
Name	OJ991018_04.0211.C19.o3.tm	Method	TBLASTX:Maize
Start	469	End	703
GI	none	Score	245
Exons	469..699, 494..703		

Seq. No.	33063	Seq. ID	OJ991018_04.0211.C19
Gene No.	68569	Strand	-
Start	7033	End	7608
Name	OJ991018_04.0211.C19.o2.tc	Method	TBLASTX:Cress
Start	870	End	1622
GI	none	Score	115
Exons	870..968, 872..976, 886..978, 899..1042, 979..1041, 1121..1291, 1122..1298, 1455..1496, 1572..1622		

Seq. No.	33063	Seq. ID	OJ991018_04.0211.C19
Gene No.	68569	Strand	-
Start	7033	End	7608
Name	OJ991018_04.0211.C19.o2.tm	Method	TBLASTX:Maize
Start	956	End	1861
GI	none	Score	144
Exons	956..1042, 964..1041, 1118..1294, 1120..1293, 1121..1294, 1122..1298, 1454..1498, 1455..1595, 1519..1653, 1530..1655, 1572..1658, 1585..1677, 1741..1854, 1742..1861, 1743..1856, 1756..1857		

Seq. No.	33063	Seq. ID	OJ991018_04.0211.C19
Gene No.	68569	Strand	-
Start	7033	End	7608
Name	OJ991018_04.0211.C19.o2.ts	Method	TBLASTX:Soybean
Start	1233	End	2337
GI	none	Score	102
Exons	1233..1298, 1235..1297, 1455..1556, 1462..1557, 1533..1655, 1572..1658, 1591..1659, 1742..1855, 1743..1856, 1762..1857, 1767..1856, 2008..2238, 2239..2298, 2290..2337		

Seq. No.	33063	Seq. ID	OJ991018_04.0211.C19

Gene No.	68569	Strand	-
Start	7033	End	7608
Name	OJ991018_04.0211.C19.o4.tm	Method	TBLASTX:Maize
Start	2176	End	2384
GI	none	Score	190
Exons	2176..2340, 2178..2384		

Seq. No.	33063	Seq. ID	OJ991018_04.0211.C19
Gene No.	68569	Strand	-
Start	7033	End	7608
Name	OJ991018_04.0211.C19.o2.gs	Method	GENSCAN
Start	7033	End	7608
GI	none	Score	.71
Exons	7033..7608		

Seq. No.	33064	Seq. ID	OJ991018_04.0211.C21
Gene No.	68570	Strand	+
Start	3615	End	6439
Name	OJ991018_04.0211.C21.o2.np	Method	AAT/NAP
Start	3615	End	6439
GI	5787973	Score	34
Exons	3615..3779, 4951..5292, 6422..6439		
GI Descrip.	(AF035395) serine/threonine protein kinase PpkA [Pseudomonas aeruginosa]		

Seq. No.	33064	Seq. ID	OJ991018_04.0211.C21
Gene No.	68571	Strand	-
Start	259	End	1705
Name	OJ991018_04.0211.C21.o1.gs	Method	GENSCAN
Start	259	End	1705
GI	none	Score	.65
Exons	259..374, 570..680, 1594..1705		

Seq. No.	33064	Seq. ID	OJ991018_04.0211.C21
Gene No.	68572	Strand	-
Start	3169	End	4550
Name	OJ991018_04.0211.C21.o2.gs	Method	GENSCAN
Start	3169	End	4536
GI	none	Score	.96
Exons	3169..4536		

Seq. No.	33064	Seq. ID	OJ991018_04.0211.C21
Gene No.	68572	Strand	-
Start	3169	End	4550
Name	OJ991018_04.0211.C21.o1.np	Method	AAT/NAP
Start	3172	End	4550
GI	4836928	Score	780
Exons	3172..3672, 3712..3834, 3944..4550		
GI Descrip.	(AC006085) Similar to protein kinases [Arabidopsis thaliana]		

Seq. No.	33064	Seq. ID	OJ991018_04.0211.C21
Gene No.	68572	Strand	-
Start	3169	End	4550
Name	OJ991018_04.0211.C21.o1.tm	Method	TBLASTX:Maize
Start	3307	End	3655
GI	none	Score	167
Exons	3307..3654, 3316..3495, 3323..3655		

Seq. No.	33064	Seq. ID	OJ991018_04.0211.C21
Gene No.	68572	Strand	-
Start	3169	End	4550
Name	OJ991018_04.0211.C21.o1.ts	Method	TBLASTX:Soybean
Start	3307	End	4119
GI	none	Score	228
Exons	3307..3441, 3472..3666, 3494..3667, 3724..3771, 3731..3769, 4003..4119, 4004..4096		

Seq. No.	33064	Seq. ID	OJ991018_04.0211.C21
Gene No.	68572	Strand	-
Start	3169	End	4550
Name	OJ991018_04.0211.C21.o1.tc	Method	TBLASTX:Cress
Start	3310	End	4311
GI	none	Score	119
Exons	3310..3432, 3472..3663, 3497..3661, 4012..4311, 4013..4096, 4142..4216		

Seq. No.	33064	Seq. ID	OJ991018_04.0211.C21
Gene No.	68572	Strand	-
Start	3169	End	4550
Name	OJ991018_04.0211.C21.o1.tw	Method	TBLASTX:Wheat
Start	3322	End	3633
GI	none	Score	44
Exons	3322..3435, 3322..3435, 3472..3633, 3491..3628		

Seq. No.	33064	Seq. ID	OJ991018_04.0211.C21
Gene No.	68572	Strand	-
Start	3169	End	4550
Name	OJ991018_04.0211.C21.o2.tm	Method	TBLASTX:Maize
Start	4045	End	4476
GI	none	Score	257
Exons	4045..4314, 4046..4336, 4363..4392, 4435..4476		

Seq. No.	33065	Seq. ID	OJ991018_04.0211.C22
Gene No.	68573	Strand	+
Start	1775	End	4227
Name	OJ991018_04.0211.C22.o1.gs	Method	GENSCAN
Start	1775	End	4227
GI	none	Score	.56
Exons	1775..1856, 2674..2800, 3078..3284, 4015..4227		

Seq. No.	33066	Seq. ID	OJ991018_04.0211.C23
Gene No.	68574	Strand	-
Start	1837	End	2449
Name	OJ991018_04.0211.C23.o1.gp	Method	AAT/GAP
Start	1588	End	2449
GI	15476_3.R1084	Score	1668
Exons	1588..2449		
GI Descrip.	'169363 5.0e-25 (M75856) PVPR3 [Phaseolus vulgaris]'		

Seq. No.	33066	Seq. ID	OJ991018_04.0211.C23
Gene No.	68574	Strand	-
Start	1837	End	2449
Name	OJ991018_04.0211.C23.o1.tm	Method	TBLASTX:Maize
Start	1589	End	2034

GI	none	Score	69
Exons	1589..1612, 1648..1719, 1652..1729, 1704..1760, 1836..1874, 1837..2034, 1922..2023		

Seq. No.	33066	Seq. ID	OJ991018_04.0211.C23
Gene No.	68574	Strand	-
Start	1837	End	2449
Name	OJ991018_04.0211.C23.o1.tw	Method	TBLASTX:Wheat
Start	1701	End	2296
GI	none	Score	206
Exons	1701..1865, 1758..1784, 1781..1897, 1828..2034, 1838..2029, 2239..2295, 2240..2296		

Seq. No.	33066	Seq. ID	OJ991018_04.0211.C23
Gene No.	68574	Strand	-
Start	1837	End	2449
Name	OJ991018_04.0211.C23.o1.tc	Method	TBLASTX:Cress
Start	1834	End	2029
GI	none	Score	109
Exons	1834..2028, 1931..2029		

Seq. No.	33066	Seq. ID	OJ991018_04.0211.C23
Gene No.	68574	Strand	-
Start	1837	End	2449
Name	OJ991018_04.0211.C23.o1.ts	Method	TBLASTX:Soybean
Start	1834	End	2278
GI	none	Score	137
Exons	1834..2028, 1922..2029, 2183..2278, 2206..2277		

Seq. No.	33066	Seq. ID	OJ991018_04.0211.C23
Gene No.	68574	Strand	-
Start	1837	End	2449
Name	OJ991018_04.0211.C23.o2.gs	Method	GENSCAN
Start	1837	End	2331
GI	none	Score	.99
Exons	1837..2331		

Seq. No.	33066	Seq. ID	OJ991018_04.0211.C23
Gene No.	68574	Strand	-
Start	1837	End	2449
Name	OJ991018_04.0211.C23.o1.np	Method	AAT/NAP
Start	1840	End	2331
GI	169363	Score	288
Exons	1840..2200, 2270..2331		
GI Descrip.	(M75856) PVPR3 [Phaseolus vulgaris]		

Seq. No.	33066	Seq. ID	OJ991018_04.0211.C23
Gene No.	68574	Strand	-
Start	1837	End	2449
Name	OJ991018_04.0211.C23.o2.tm	Method	TBLASTX:Maize
Start	2195	End	2383
GI	none	Score	159
Exons	2195..2383, 2206..2331, 2240..2341		

Seq. No.	33067	Seq. ID	OJ991018_04.0211.C24
Gene No.	68575	Strand	+
Start	512	End	786

Name	OJ991018_04.0211.C24.o1.gs	Method	GENSCAN
Start	512	End	786
GI	none	Score	.88
Exons	512..577, 676..786		

Seq. No.	33067	Seq. ID	OJ991018_04.0211.C24
Gene No.	68576	Strand	-
Start	1140	End	2283
Name	OJ991018_04.0211.C24.o2.gs	Method	GENSCAN
Start	1140	End	2283
GI	none	Score	.55
Exons	1140..1234, 1800..2283		

Seq. No.	33068	Seq. ID	OJ991018_04.0211.C25
Gene No.	68577	Strand	+
Start	1	End	2607
Name	OJ991018_04.0211.C25.o1.np	Method	AAT/NAP
Start	1	End	2607
GI	1947160	Score	128
Exons	1..143, 402..596, 659..931, 2040..2215, 2518..2607		
GI Descrip.	(AF000298) weak similarity to collagens; glycine- and proline-rich [Caenorhabditis elegans]		

Seq. No.	33068	Seq. ID	OJ991018_04.0211.C25
Gene No.	68578	Strand	-
Start	144	End	2532
Name	OJ991018_04.0211.C25.o1.gs	Method	GENSCAN
Start	144	End	2525
GI	none	Score	.87
Exons	144..288, 1249..1362, 1530..1611, 2056..2525		

Seq. No.	33068	Seq. ID	OJ991018_04.0211.C25
Gene No.	68578	Strand	-
Start	144	End	2532
Name	OJ991018_04.0211.C25.o2.tm	Method	TBLASTX:Maize
Start	1965	End	2190
GI	none	Score	125
Exons	1965..2108, 1992..2108, 2005..2121, 2056..2190, 2106..2189		

Seq. No.	33068	Seq. ID	OJ991018_04.0211.C25
Gene No.	68578	Strand	-
Start	144	End	2532
Name	OJ991018_04.0211.C25.o1.tm	Method	TBLASTX:Maize
Start	2226	End	2532
GI	none	Score	35
Exons	2226..2282, 2265..2282, 2349..2429, 2350..2430, 2424..2531, 2425..2532		

Seq. No.	33069	Seq. ID	OJ991018_04.0211.C26
Gene No.	68579	Strand	+
Start	1	End	1426
Name	OJ991018_04.0211.C26.o1.gp	Method	AAT/GAP
Start	1	End	1426
GI	518_1.R1084	Score	1053
Exons	1..175, 290..412, 1147..1426		
GI Descrip.	'2058273/dbj|BAA19798| 2.0e-95 (D83527) YK426 [Oryza sativa]'		

Seq. No.	33069	Seq. ID	OJ991018_04.0211.C26
Gene No.	68579	Strand	+
Start	1	End	1426
Name	OJ991018_04.0211.C26.o1.np	Method	AAT/NAP
Start	1	End	1230
GI	6174959	Score	573
Exons	1..175, 290..412, 1147..1230		
GI Descrip.	60S RIBOSOMAL PROTEIN L9 gi|2058273|dbj|BAA19798| (D83527) YK426 [Oryza sativa]		

Seq. No.	33069	Seq. ID	OJ991018_04.0211.C26
Gene No.	68580	Strand	-
Start	1	End	2599
Name	OJ991018_04.0211.C26.o1.tm	Method	TBLASTX:Maize
Start	1	End	1235
GI	none	Score	297
Exons	1..195, 2..181, 287..412, 289..411, 1129..1227, 1140..1232, 1144..1227, 1146..1235		

Seq. No.	33069	Seq. ID	OJ991018_04.0211.C26
Gene No.	68580	Strand	-
Start	1	End	2599
Name	OJ991018_04.0211.C26.o2.np	Method	AAT/NAP
Start	1	End	2599
GI	6721547	Score	73
Exons	1..46, 2508..2599		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	33069	Seq. ID	OJ991018_04.0211.C26
Gene No.	68580	Strand	-
Start	1	End	2599
Name	OJ991018_04.0211.C26.o1.tc	Method	TBLASTX:Cress
Start	2	End	1244
GI	none	Score	241
Exons	2..181, 4..183, 287..412, 289..411, 1140..1241, 1144..1242, 1146..1244		

Seq. No.	33069	Seq. ID	OJ991018_04.0211.C26
Gene No.	68580	Strand	-
Start	1	End	2599
Name	OJ991018_04.0211.C26.o1.ts	Method	TBLASTX:Soybean
Start	2	End	1227
GI	none	Score	273
Exons	2..181, 4..195, 287..412, 289..411, 1140..1226, 1144..1227		

Seq. No.	33069	Seq. ID	OJ991018_04.0211.C26
Gene No.	68580	Strand	-
Start	1	End	2599
Name	OJ991018_04.0211.C26.o1.tw	Method	TBLASTX:Wheat
Start	2	End	1354
GI	none	Score	88
Exons	2..58, 4..57, 55..195, 56..181, 287..412, 287..331, 289..411, 1140..1226, 1144..1227, 1239..1343, 1269..1328, 1307..1354		

Seq. No.	33069	Seq. ID	OJ991018_04.0211.C26
Gene No.	68580	Strand	-
Start	1	End	2599

Name	OJ991018_04.0211.C26.o3.tm	Method	TBLASTX:Maize
Start	1904	End	2029
GI	none	Score	151
Exons	1904..2029, 1905..2027		

Seq. No.	33069	Seq. ID	OJ991018_04.0211.C26
Gene No.	68581	Strand	
Start	7256	End	7401
Name	OJ991018_04.0211.C26.o2.tm	Method	TBLASTX:Maize
Start	7256	End	7401
GI	none	Score	221
Exons	7256..7399, 7260..7400, 7297..7401		

Seq. No.	33070	Seq. ID	OJ991018_04.0211.C27
Gene No.	68582	Strand	+
Start	1	End	2642
Name	OJ991018_04.0211.C27.o1.np	Method	AAT/NAP
Start	1	End	2642
GI	2262157	Score	277
Exons	1..24, 1852..2289, 2481..2642		
GI Descrip.	(AC002329) putative ligand-gated ion channel protein [Arabidopsis thaliana]		

Seq. No.	33070	Seq. ID	OJ991018_04.0211.C27
Gene No.	68582	Strand	+
Start	1	End	2642
Name	OJ991018_04.0211.C27.o1.gs	Method	GENSCAN
Start	50	End	2310
GI	none	Score	.87
Exons	50..118, 368..383, 1659..1822, 1888..2163, 2238..2310		

Seq. No.	33070	Seq. ID	OJ991018_04.0211.C27
Gene No.	68582	Strand	+
Start	1	End	2642
Name	OJ991018_04.0211.C27.o1.tc	Method	TBLASTX:Cress
Start	1851	End	2279
GI	none	Score	153
Exons	1851..1988, 1852..2022, 2029..2163, 2052..2162, 2238..2279, 2249..2278		

Seq. No.	33070	Seq. ID	OJ991018_04.0211.C27
Gene No.	68582	Strand	+
Start	1	End	2642
Name	OJ991018_04.0211.C27.o1.tm	Method	TBLASTX:Maize
Start	1851	End	2278
GI	none	Score	188
Exons	1851..2030, 1852..2031, 1858..2034, 2047..2163, 2049..2159, 2065..2172, 2237..2278, 2238..2276		

Seq. No.	33070	Seq. ID	OJ991018_04.0211.C27
Gene No.	68582	Strand	+
Start	1	End	2642
Name	OJ991018_04.0211.C27.o1.ts	Method	TBLASTX:Soybean
Start	1866	End	2279
GI	none	Score	127
Exons	1866..1979, 1867..2010, 2052..2162, 2053..2163, 2238..2279		

Seq. No.	33071	Seq. ID	OJ991018_04.0211.C28
Gene No.	68583	Strand	+
Start	358	End	458
Name	OJ991018_04.0211.C28.o1.gs	Method	GENSCAN
Start	358	End	458
GI	none	Score	.79
Exons	358..458		

Seq. No.	33071	Seq. ID	OJ991018_04.0211.C28
Gene No.	68584	Strand	-
Start	735	End	4755
Name	OJ991018_04.0211.C28.o1.np	Method	AAT/NAP
Start	735	End	4755
GI	4678280	Score	933
Exons	735..1181, 4393..4755		
GI Descrip.	(AL049660) zinc finger-like protein [Arabidopsis thaliana]		

Seq. No.	33071	Seq. ID	OJ991018_04.0211.C28
Gene No.	68584	Strand	-
Start	735	End	4755
Name	OJ991018_04.0211.C28.o1.ts	Method	TBLASTX:Soybean
Start	853	End	4491
GI	none	Score	371
Exons	853..921, 858..1196, 859..1197, 4390..4491, 4406..4486		

Seq. No.	33071	Seq. ID	OJ991018_04.0211.C28
Gene No.	68584	Strand	-
Start	735	End	4755
Name	OJ991018_04.0211.C28.o1.tm	Method	TBLASTX:Maize
Start	1035	End	4513
GI	none	Score	257
Exons	1035..1199, 1036..1197, 4390..4512, 4394..4513		

Seq. No.	33072	Seq. ID	OJ991018_04.0211.C29
Gene No.	68585	Strand	+
Start	136	End	327
Name	OJ991018_04.0211.C29.o1.gs	Method	GENSCAN
Start	136	End	327
GI	none	Score	.98
Exons	136..327		

Seq. No.	33072	Seq. ID	OJ991018_04.0211.C29
Gene No.	68586	Strand	-
Start	749	End	1007
Name	OJ991018_04.0211.C29.o2.gs	Method	GENSCAN
Start	749	End	1007
GI	none	Score	.88
Exons	749..814, 876..1007		

Seq. No.	33073	Seq. ID	OJ991018_04.0211.C30
Gene No.	68587	Strand	+
Start	75	End	139
Name	OJ991018_04.0211.C30.o1.gs	Method	GENSCAN
Start	75	End	139
GI	none	Score	.85
Exons	75..139		

Seq. No.	33074	Seq. ID	OJ991018_04.0211.C31
Gene No.	68588	Strand	+
Start	34	End	229
Name	OJ991018_04.0211.C31.o1.gs	Method	GENSCAN
Start	34	End	229
GI	none	Score	.64
Exons	34..229		

Seq. No.	33075	Seq. ID	OJ991018_03.0211.C1
Gene No.	68589	Strand	+
Start	272	End	550
Name	OJ991018_03.0211.C1.o1.gp	Method	AAT/GAP
Start	272	End	550
GI	101153_1.R1084	Score	495
Exons	272..550		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	33075	Seq. ID	OJ991018_03.0211.C1
Gene No.	68589	Strand	+
Start	272	End	550
Name	OJ991018_03.0211.C1.o1.gs	Method	GENSCAN
Start	371	End	473
GI	none	Score	.91
Exons	371..473		

Seq. No.	33076	Seq. ID	OJ991018_03.0211.C2
Gene No.	68590	Strand	+
Start	1	End	543
Name	OJ991018_03.0211.C2.o1.gp	Method	AAT/GAP
Start	1	End	383
GI	2428185	Score	560
Exons	1..383		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	33076	Seq. ID	OJ991018_03.0211.C2
Gene No.	68590	Strand	+
Start	1	End	543
Name	OJ991018_03.0211.C2.o1.np	Method	AAT/NAP
Start	1	End	543
GI	6063554	Score	135
Exons	1..25, 368..543		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68591	Strand	+
Start	6453	End	7634
Name	OJ991018_03.0211.C3.o2.gs	Method	GENSCAN
Start	6453	End	7634
GI	none	Score	.98
Exons	6453..6455, 6590..6651, 7487..7634		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68592	Strand	+

Start	11952	End	12656
Name	OJ991018_03.0211.C3.o4.gs	Method	GENSCAN
Start	11952	End	12656
GI	none	Score	.67
Exons	11952..12309, 12401..12481, 12571..12656		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68593	Strand	+
Start	28003	End	30568
Name	OJ991018_03.0211.C3.o6.gs	Method	GENSCAN
Start	28003	End	30568
GI	none	Score	.45
Exons	28003..28110, 28150..28252, 30450..30568		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68594	Strand	+
Start	39178	End	44768
Name	OJ991018_03.0211.C3.o4.np	Method	AAT/NAP
Start	39178	End	43813
GI	4680203	Score	3338
Exons	39178..39221, 40502..42175, 42329..42559, 42836..43813		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68594	Strand	+
Start	39178	End	44768
Name	OJ991018_03.0211.C3.o8.gs	Method	GENSCAN
Start	40502	End	43834
GI	none	Score	1
Exons	40502..43834		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68594	Strand	+
Start	39178	End	44768
Name	OJ991018_03.0211.C3.o1.gp	Method	AAT/GAP
Start	40506	End	44588
GI	342_1.R1084	Score	6618
Exons	40506..43906, 43942..43961, 44044..44141, 44251..44588		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68594	Strand	+
Start	39178	End	44768
Name	OJ991018_03.0211.C3.o2.gp	Method	AAT/GAP
Start	40673	End	44768
GI	342_1.R1084	Score	6718
Exons	40673..43906, 43942..43961, 44044..44141, 44251..44768		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68595	Strand	+
Start	45285	End	51420
Name	OJ991018_03.0211.C3.o9.gs	Method	GENSCAN
Start	45285	End	51420
GI	none	Score	.76

Exons	45285..45587, 46720..48075, 48150..48291, 48417..48648, 48769..49248, 49360..49533, 49630..49740, 49828..49900, 50181..50283, 51308..51420		
Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68595	Strand	+
Start	45285	End	51420
Name	OJ991018_03.0211.C3.o3.gp	Method	AAT/GAP
Start	48546	End	49148
GI	uC-osflcyp176f10b1	Score	847
Exons	48546..48569, 48671..49148		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		
Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68595	Strand	+
Start	45285	End	51420
Name	OJ991018_03.0211.C3.o4.gp	Method	AAT/GAP
Start	50579	End	50725
GI	LIB3477-003-P1-K1-E9	Score	125
Exons	50579..50607, 50649..50725		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68596	Strand	+
Start	56763	End	64697
Name	OJ991018_03.0211.C3.o7.np	Method	AAT/NAP
Start	56763	End	64697
GI	5257279	Score	116
Exons	56763..56783, 64436..64697		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		
Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68597	Strand	+
Start	72242	End	76112
Name	OJ991018_03.0211.C3.o13.gs	Method	GENSCAN
Start	72242	End	76112
GI	none	Score	.47
Exons	72242..72649, 72704..73077, 73523..73690, 74137..74437, 74533..74642, 75074..75162, 75701..75851, 75896..76112		
Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68597	Strand	+
Start	72242	End	76112
Name	OJ991018_03.0211.C3.o8.np	Method	AAT/NAP
Start	74007	End	74409
GI	4115365	Score	239
Exons	74007..74409		
GI Descrip.	(AC005957) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68598	Strand	+

Start	79432	End	80587
Name	OJ991018_03.0211.C3.o9.np	Method	AAT/NAP
Start	79432	End	80587
GI	5042463	Score	296
Exons	79432..79616, 80317..80587		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68599	Strand	+
Start	86931	End	89508
Name	OJ991018_03.0211.C3.o11.np	Method	AAT/NAP
Start	86931	End	89508
GI	4584539	Score	155
Exons	86931..87029, 88029..88178, 88455..88533, 88991..89508		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68600	Strand	-
Start	194	End	4765
Name	OJ991018_03.0211.C3.o1.np	Method	AAT/NAP
Start	194	End	4765
GI	2586083	Score	1674
Exons	194..558, 707..1195, 2293..3962, 4323..4765		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68600	Strand	-
Start	194	End	4765
Name	OJ991018_03.0211.C3.o1.gs	Method	GENSCAN
Start	322	End	4362
GI	none	Score	.58
Exons	322..558, 707..1279, 1646..1749, 1809..2052, 2190..2363, 2377..2983, 3365..3540, 3639..4362		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68601	Strand	-
Start	8965	End	11378
Name	OJ991018_03.0211.C3.o3.gs	Method	GENSCAN
Start	8965	End	11378
GI	none	Score	.83
Exons	8965..9216, 9294..9414, 9590..9632, 9714..9776, 9880..10252, 10326..10393, 10867..11010, 11117..11378		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68602	Strand	-
Start	13740	End	26204
Name	OJ991018_03.0211.C3.o5.gs	Method	GENSCAN
Start	13740	End	26204
GI	none	Score	.49
Exons	13740..13994, 14021..14104, 14191..14746, 14833..14987, 15079..15172, 15303..15381, 15467..15543, 15749..15872, 15941..16214, 16305..16455, 16753..19678, 19761..21178, 21204..21300, 21389..21566, 21873..21975, 22294..22560, 23121..23213, 23495..23767, 24558..24647, 25610..25736, 26141..26204		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3

Gene No.	68602	Strand	-
Start	13740	End	26204
Name	OJ991018_03.0211.C3.o2.np	Method	AAT/NAP
Start	16752	End	21100
GI	4585985	Score	2528
Exons	16752..17632, 17660..18098, 18333..19678, 19761..20237, 20460..20973, 21020..21100		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68603	Strand	-
Start	29264	End	39512
Name	OJ991018_03.0211.C3.o3.np	Method	AAT/NAP
Start	29264	End	34242
GI	6598452	Score	547
Exons	29264..29297, 32704..32872, 32960..33335, 33369..33563, 33612..34242		
GI Descrip.	(AC005171) putative retroelement integrase [Arabidopsis thaliana]		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68603	Strand	-
Start	29264	End	39512
Name	OJ991018_03.0211.C3.o7.gs	Method	GENSCAN
Start	31434	End	39512
GI	none	Score	.57
Exons	31434..31816, 32050..32097, 32505..34338, 34451..34869, 35011..35069, 36123..36338, 38427..38568, 38990..39315, 39448..39512		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68604	Strand	-
Start	50751	End	51305
Name	OJ991018_03.0211.C3.o5.gp	Method	AAT/GAP
Start	50751	End	51305
GI	21474_1.R1084	Score	230
Exons	50751..50891, 51285..51305		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68605	Strand	-
Start	53486	End	60930
Name	OJ991018_03.0211.C3.o10.gs	Method	GENSCAN
Start	53486	End	60912
GI	none	Score	.62
Exons	53486..53581, 53648..53778, 53951..53983, 54096..54266, 57648..57845, 57978..60912		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68605	Strand	-
Start	53486	End	60930
Name	OJ991018_03.0211.C3.o5.np	Method	AAT/NAP
Start	57485	End	60921
GI	2586083	Score	1778
Exons	57485..57845, 57978..60100, 60461..60921		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68605	Strand	-
Start	53486	End	60930
Name	OJ991018_03.0211.C3.o6.np	Method	AAT/NAP
Start	59923	End	60930
GI	2832608	Score	390
Exons	59923..60568, 60641..60930		
GI Descrip.	(AL021637) leucine rich repeat-like protein (fragment) [Arabidopsis thaliana]		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68606	Strand	-
Start	64300	End	64641
Name	OJ991018_03.0211.C3.o11.gs	Method	GENSCAN
Start	64300	End	64641
GI	none	Score	1
Exons	64300..64641		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68607	Strand	-
Start	76482	End	82831
Name	OJ991018_03.0211.C3.o14.gs	Method	GENSCAN
Start	76482	End	79635
GI	none	Score	.66
Exons	76482..76517, 76548..76760, 76798..76865, 76968..77133, 77224..77325, 77609..78055, 78233..78279, 78310..78652, 78773..78850, 79011..79141, 79569..79635		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68607	Strand	-
Start	76482	End	82831
Name	OJ991018_03.0211.C3.o10.np	Method	AAT/NAP
Start	78421	End	81277
GI	4417306	Score	192
Exons	78421..78439, 80693..81277		
GI Descrip.	(AC006446) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68607	Strand	-
Start	76482	End	82831
Name	OJ991018_03.0211.C3.o15.gs	Method	GENSCAN
Start	80599	End	82831
GI	none	Score	.48
Exons	80599..81246, 82687..82772, 82810..82831		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o11.tm	Method	TBLASTX:Maize
Start	362	End	57865
GI	none	Score	137
Exons	362..565, 378..560, 388..561, 57541..57603, 57668..57727, 57670..57846, 57672..57848, 57673..57849, 57752..57865		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3

Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o1.ts	Method	TBLASTX:Soybean
Start	437	End	60696
GI	none	Score	80
Exons	437..559, 706..723, 783..983, 1068..1133, 2612..2992, 2672..3013, 2672..2893, 2672..3184, 2744..2893, 3005..3430, 3008..3370, 3008..3205, 3026..3370, 3026..3340, 3032..3298, 3035..3448, 3080..3361, 3137..3256, 3173..3370, 3176..3370, 3494..3550, 3494..3547, 3545..3640, 3548..3640, 3646..4095, 3673..4254, 3676..4215, 3679..3969, 3679..4032, 3679..4146, 3754..4173, 3755..3925, 3761..4063, 3829..4245, 3862..3981, 3904..4332, 3949..4392, 3964..4383, 3968..4141, 4048..4386, 4090..4374, 4394..4543, 4394..4537, 57505..57606, 57724..57846, 57937..57972, 58045..58212, 58771..59151, 58897..59157, 58900..59172, 58900..59058, 58903..59529, 59161..59529, 59164..59559, 59167..59364, 59167..59529, 59185..59529, 59185..59520, 59194..59559, 59212..59343, 59267..59434, 59296..59415, 59410..59529, 59437..59529, 59653..59706, 59704..59835, 59707..60108, 59707..59835, 59707..59832, 59839..60459, 59842..60045, 59845..60135, 59845..60198, 59855..60085, 59881..60003, 59920..60333, 59971..60657, 59995..60411, 60121..60549, 60142..60696, 60142..60684, 60142..60525, 60187..60684, 60214..60627, 60286..60684, 60316..60435		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o1.tc	Method	TBLASTX:Cress
Start	461	End	60816
GI	none	Score	74
Exons	461..559, 783..974, 1089..1187, 2621..2896, 2669..2896, 2672..2869, 2672..2998, 2672..2896, 2672..2893, 2672..2893, 2672..2833, 2673..2783, 2675..2893, 2675..2998, 2676..2978, 2871..2972, 2876..2995, 3002..3346, 3005..3361, 3008..3370, 3008..3370, 3008..3241, 3008..3361, 3035..3394, 3035..3394, 3035..3103, 3035..3370, 3036..3275, 3038..3376, 3104..3370, 3149..3379, 3168..3347, 3266..3385, 3344..3469, 3362..3463, 3409..3435, 3494..3547, 3545..3634, 3548..3634, 3665..3715, 3670..3738, 3673..4212, 3676..4254, 3676..3975, 3676..4170, 3679..4374, 3679..4167, 3760..4254, 3763..4440, 3832..4374, 3892..4398, 3905..4204, 4049..4225, 4174..4473, 4253..4396, 4394..4531, 4394..4519, 4394..4522, 4400..4531, 4553..4588, 57748..57846, 58054..58212, 58360..58464, 58474..58566, 58765..58842, 58900..59157, 58900..59157, 58900..59157, 58903..59157, 58903..59058, 58903..59157, 58904..59059, 58906..59157, 58975..59163, 58976..59158, 59035..59154, 59050..59157, 59065..59145, 59107..59157, 59161..59316, 59161..59388, 59164..59520, 59167..59535, 59167..59457, 59167..59457, 59167..59529, 59167..59520, 59167..59520, 59168..59356, 59185..59535, 59189..59434, 59194..59553, 59194..59262, 59194..59553, 59194..59529, 59197..59535, 59317..59529, 59327..59506, 59392..59532, 59701..59835, 59704..59835, 59707..59802, 59708..59800, 59839..60390, 59842..60141, 59842..60480, 59842..60336, 59843..60118, 59845..60540, 59855..60016, 59929..60468, 59935..60102,		

59980..60540, 59992..60066, 60001..60102, 60061..60591,
60071..60364, 60142..60693, 60142..60708, 60142..60684,
60142..60621, 60145..60708, 60214..60279, 60280..60693,
60431..60694, 60715..60816

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o2.tm	Method	TBLASTX:Maize
Start	714	End	58431
GI	none	Score	46
Exons	714..740, 721..777, 783..1160, 784..1107, 57985..58035, 58045..58431, 58055..58225, 58256..58426		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o5.ts	Method	TBLASTX:Soybean
Start	990	End	58566
GI	none	Score	105
Exons	990..1061, 2324..2404, 58261..58458, 58262..58459, 58465..58566		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o11.tw	Method	TBLASTX:Wheat
Start	2600	End	60861
GI	none	Score	64
Exons	2600..2782, 3008..3127, 3008..3124, 3886..4173, 3991..4239, 4135..4392, 4358..4531, 4388..4537, 4553..4672, 59845..60108, 59857..60060, 59875..60198, 60157..60498, 60301..60627, 60373..60699, 60709..60747, 60763..60861		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o4.tm	Method	TBLASTX:Maize
Start	2669	End	60708
GI	none	Score	68
Exons	2669..2893, 2672..2893, 2672..2872, 2672..2998, 2762..2893, 3005..3394, 3005..3361, 3008..3370, 3008..3361, 3008..3226, 3056..3346, 3108..3341, 3389..3454, 3676..4248, 3676..3975, 3686..3988, 3688..4320, 3760..4374, 3778..4398, 3905..4204, 3997..4473, 4394..4531, 4394..4522, 58903..59157, 58903..59157, 59164..59553, 59164..59520, 59167..59529, 59167..59505, 59167..59457, 59188..59532, 59287..59535, 59701..59829, 59706..59801, 59840..59878, 59842..60108, 59842..60051, 59845..60333, 59854..60486, 59875..60540, 59944..60102, 60071..60364, 60142..60708, 60142..60621, 60145..60696, 60163..60684, 60206..60304		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o10.tw	Method	TBLASTX:Wheat
Start	2798	End	59707
GI	none	Score	142

Exons	2798..2887, 3128..3232, 3267..3548, 3269..3550, 3269..3547, 3781..3882, 59110..59265, 59287..59388, 59428..59706, 59431..59673, 59462..59707		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o12.tm	Method	TBLASTX:Maize
Start	14500	End	15542
GI	none	Score	57
Exons	14500..14616, 14504..14590, 14629..14748, 14651..14749, 14865..14933, 14869..14967, 15323..15382, 15477..15542		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o7.ts	Method	TBLASTX:Soybean
Start	16848	End	17030
GI	none	Score	79
Exons	16848..17030, 16852..17028		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o14.tm	Method	TBLASTX:Maize
Start	16956	End	17276
GI	none	Score	82
Exons	16956..17030, 17049..17276, 17128..17274		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o4.tc	Method	TBLASTX:Cress
Start	17022	End	17268
GI	none	Score	106
Exons	17022..17267, 17071..17268		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o7.tm	Method	TBLASTX:Maize
Start	17583	End	17952
GI	none	Score	114
Exons	17583..17924, 17601..17927, 17668..17952		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o8.tm	Method	TBLASTX:Maize
Start	18096	End	18551
GI	none	Score	81
Exons	18096..18311, 18345..18482, 18483..18551		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o5.tm	Method	TBLASTX:Maize

Start	19605	End	20014
GI	none	Score	87
Exons	19605..19685, 19742..19894, 19747..19881, 19885..20010, 19892..20014		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o8.tw	Method	TBLASTX:Wheat
Start	19765	End	20193
GI	none	Score	65
Exons	19765..19872, 19778..19873, 19897..20193, 19898..20092, 19906..20160		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o1.tm	Method	TBLASTX:Maize
Start	20017	End	20820
GI	none	Score	42
Exons	20017..20298, 20141..20281, 20287..20514, 20302..20751, 20420..20752, 20767..20820		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o10.tm	Method	TBLASTX:Maize
Start	33076	End	33312
GI	none	Score	88
Exons	33076..33312, 33185..33307		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o4.ts	Method	TBLASTX:Soybean
Start	33076	End	33312
GI	none	Score	88
Exons	33076..33312, 33185..33307		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o4.tw	Method	TBLASTX:Wheat
Start	33091	End	33549
GI	none	Score	41
Exons	33091..33261, 33120..33263, 33168..33254, 33268..33549, 33280..33480, 33293..33502		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o3.tw	Method	TBLASTX:Wheat
Start	33955	End	34453
GI	none	Score	60
Exons	33955..34437, 33956..33997, 33961..34428, 34130..34453		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3

Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o3.ts	Method	TBLASTX:Soybean
Start	34066	End	34437
GI	none	Score	153
Exons	34066..34254, 34279..34437		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o13.tm	Method	TBLASTX:Maize
Start	34282	End	34461
GI	none	Score	153
Exons	34282..34461, 34283..34453		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o6.tw	Method	TBLASTX:Wheat
Start	40853	End	41196
GI	none	Score	104
Exons	40853..40960, 40943..41194, 40951..41193, 40954..41196		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o2.ts	Method	TBLASTX:Soybean
Start	41125	End	41554
GI	none	Score	102
Exons	41125..41208, 41126..41200, 41258..41554, 41312..41536		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o3.tc	Method	TBLASTX:Cress
Start	41287	End	41635
GI	none	Score	313
Exons	41287..41439, 41294..41635, 41294..41632		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o2.tw	Method	TBLASTX:Wheat
Start	41423	End	41892
GI	none	Score	72
Exons	41423..41476, 41431..41475, 41477..41581, 41488..41577, 41585..41683, 41590..41682, 41663..41887, 41683..41892, 41684..41887, 41686..41892		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o3.tm	Method	TBLASTX:Maize
Start	41468	End	41926
GI	none	Score	247
Exons	41468..41722, 41480..41722, 41732..41926		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o6.ts	Method	TBLASTX:Soybean
Start	41756	End	41998
GI	none	Score	211
Exons	41756..41998		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o5.tw	Method	TBLASTX:Wheat
Start	42031	End	42441
GI	none	Score	87
Exons	42031..42081, 42032..42094, 42094..42282, 42095..42322, 42355..42441, 42356..42439		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o1.tw	Method	TBLASTX:Wheat
Start	42442	End	43759
GI	none	Score	869
Exons	42442..43071, 42443..43360, 43028..43345, 43355..43399, 43359..43394, 43402..43497, 43406..43465, 43444..43584, 43445..43585, 43598..43678, 43667..43759		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o6.tm	Method	TBLASTX:Maize
Start	42485	End	42799
GI	none	Score	320
Exons	42485..42799, 42496..42798		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o2.tc	Method	TBLASTX:Cress
Start	42726	End	43177
GI	none	Score	172
Exons	42726..42908, 42730..43167, 42730..43071, 42734..43177, 42740..43177		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o9.tw	Method	TBLASTX:Wheat
Start	47282	End	47685
GI	none	Score	223
Exons	47282..47362, 47284..47520, 47284..47433, 47385..47552, 47515..47685, 47590..47685		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o12.tw	Method	TBLASTX:Wheat

Start	68263	End	81027
GI	none	Score	68
Exons	68263..68310, 80680..80895, 80911..81027		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o7.tw	Method	TBLASTX:Wheat
Start	74132	End	74436
GI	none	Score	86
Exons	74132..74188, 74137..74184, 74183..74413, 74194..74436		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o9.tm	Method	TBLASTX:Maize
Start	74186	End	74424
GI	none	Score	294
Exons	74186..74416, 74194..74424		

Seq. No.	33077	Seq. ID	OJ991018_03.0211.C3
Gene No.	68608	Strand	-
Start	88664	End	90457
Name	OJ991018_03.0211.C3.o12.np	Method	AAT/NAP
Start	88664	End	90457
GI	4584539	Score	91
Exons	88664..88867, 90335..90457		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	33078	Seq. ID	OJ991018_03.0211.C4
Gene No.	68609	Strand	-
Start	30	End	734
Name	OJ991018_03.0211.C4.o1.gs	Method	GENSCAN
Start	30	End	734
GI	none	Score	.78
Exons	30..92, 282..571, 680..734		

Seq. No.	33078	Seq. ID	OJ991018_03.0211.C4
Gene No.	68610	Strand	-
Start	1672	End	2151
Name	OJ991018_03.0211.C4.o1.gp	Method	AAT/GAP
Start	1672	End	2151
GI	LIB3431-044-P1-K1-D12	Score	924
Exons	1672..2151		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 2.0e-16 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	33078	Seq. ID	OJ991018_03.0211.C4
Gene No.	68611	Strand	-
Start	2774	End	3540
Name	OJ991018_03.0211.C4.o2.gp	Method	AAT/GAP
Start	2531	End	2967
GI	none	Score	854
Exons	2531..2967		

Seq. No.	33078	Seq. ID	OJ991018_03.0211.C4
Gene No.	68611	Strand	-

Start	2774	End	3540
Name	OJ991018_03.0211.C4.o2.gs	Method	GENSCAN
Start	2774	End	3540
GI	none	Score	.81
Exons	2774..2903, 3331..3540		

Seq. No.	33079	Seq. ID	OJ990808_42.0204.C2
Gene No.	68612	Strand	+
Start	23	End	1261
Name	OJ990808_42.0204.C2.o1.gs	Method	GENSCAN
Start	23	End	1261
GI	none	Score	.59
Exons	23..195, 924..1002, 1023..1082, 1166..1261		

Seq. No.	33079	Seq. ID	OJ990808_42.0204.C2
Gene No.	68613	Strand	-
Start	119	End	1644
Name	OJ990808_42.0204.C2.o1.np	Method	AAT/NAP
Start	119	End	1644
GI	6539588	Score	117
Exons	119..440, 1438..1644		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	33079	Seq. ID	OJ990808_42.0204.C2
Gene No.	68614	Strand	-
Start	1936	End	4167
Name	OJ990808_42.0204.C2.o2.gs	Method	GENSCAN
Start	1936	End	4167
GI	none	Score	.74
Exons	1936..2060, 3577..3834, 4035..4167		

Seq. No.	33080	Seq. ID	OJ990808_42.0204.C3
Gene No.	68615	Strand	-
Start	292	End	369
Name	OJ990808_42.0204.C3.o1.gs	Method	GENSCAN
Start	292	End	369
GI	none	Score	.76
Exons	292..369		

Seq. No.	33081	Seq. ID	OJ990808_42.0204.C4
Gene No.	68616	Strand	+
Start	4817	End	6089
Name	OJ990808_42.0204.C4.o1.gp	Method	AAT/GAP
Start	4817	End	5404
GI	2310235	Score	295
Exons	4817..4854, 5266..5404		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	33081	Seq. ID	OJ990808_42.0204.C4
Gene No.	68616	Strand	+
Start	4817	End	6089
Name	OJ990808_42.0204.C4.o1.np	Method	AAT/NAP
Start	5266	End	6089
GI	4680203	Score	796
Exons	5266..6089		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33081	Seq. ID	OJ990808_42.0204.C4
Gene No.	68616	Strand	+
Start	4817	End	6089
Name	OJ990808_42.0204.C4.o1.tw	Method	TBLASTX:Wheat
Start	5617	End	5960
GI	none	Score	87
Exons	5617..5706, 5715..5957, 5716..5958, 5718..5960		

Seq. No.	33081	Seq. ID	OJ990808_42.0204.C4
Gene No.	68616	Strand	+
Start	4817	End	6089
Name	OJ990808_42.0204.C4.o1.ts	Method	TBLASTX:Soybean
Start	5740	End	6030
GI	none	Score	229
Exons	5740..5958, 5748..5954, 5965..6030		

Seq. No.	33082	Seq. ID	OJ990808_42.0204.C5
Gene No.	68617	Strand	+
Start	1	End	962
Name	OJ990808_42.0204.C5.o1.gp	Method	AAT/GAP
Start	1	End	962
GI	342_1_R1084	Score	1670
Exons	1..962		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	33082	Seq. ID	OJ990808_42.0204.C5
Gene No.	68617	Strand	+
Start	1	End	962
Name	OJ990808_42.0204.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	395
GI	none	Score	74
Exons	1..72, 3..71, 66..191, 72..191, 201..395		

Seq. No.	33082	Seq. ID	OJ990808_42.0204.C5
Gene No.	68617	Strand	+
Start	1	End	962
Name	OJ990808_42.0204.C5.o1.tw	Method	TBLASTX:Wheat
Start	1	End	361
GI	none	Score	81
Exons	1..51, 3..47, 65..151, 66..152, 132..359, 153..359, 155..361		

Seq. No.	33082	Seq. ID	OJ990808_42.0204.C5
Gene No.	68617	Strand	+
Start	1	End	962
Name	OJ990808_42.0204.C5.o1.np	Method	AAT/NAP
Start	1	End	962
GI	6742729	Score	1423
Exons	1..962		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	33082	Seq. ID	OJ990808_42.0204.C5
Gene No.	68617	Strand	+
Start	1	End	962
Name	OJ990808_42.0204.C5.o1.gs	Method	GENSCAN
Start	102	End	839

GI	none	Score	.46
Exons	102..839		

Seq. No.	33082	Seq. ID	OJ990808_42.0204.C5
Gene No.	68617	Strand	+
Start	1	End	962
Name	OJ990808_42.0204.C5.o1.ts	Method	TBLASTX:Soybean
Start	225	End	467
GI	none	Score	194
Exons	225..467		

Seq. No.	33082	Seq. ID	OJ990808_42.0204.C5
Gene No.	68617	Strand	+
Start	1	End	962
Name	OJ990808_42.0204.C5.o2.tw	Method	TBLASTX:Wheat
Start	500	End	946
GI	none	Score	74
Exons	500..547, 501..563, 569..751, 836..946	573..791, 580..792, 832..945,	

Seq. No.	33083	Seq. ID	OJ990808_42.0204.C6
Gene No.	68618	Strand	+
Start	1	End	989
Name	OJ990808_42.0204.C6.o1.np	Method	AAT/NAP
Start	1	End	989
GI	6742729	Score	752
Exons	1..989		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	33083	Seq. ID	OJ990808_42.0204.C6
Gene No.	68618	Strand	+
Start	1	End	989
Name	OJ990808_42.0204.C6.o2.tw	Method	TBLASTX:Wheat
Start	23	End	379
GI	none	Score	169
Exons	23..259, 58..258, 295..378, 296..379		

Seq. No.	33083	Seq. ID	OJ990808_42.0204.C6
Gene No.	68618	Strand	+
Start	1	End	989
Name	OJ990808_42.0204.C6.o1.tm	Method	TBLASTX:Maize
Start	287	End	772
GI	none	Score	281
Exons	287..772, 304..480, 611..685, 616..765		

Seq. No.	33083	Seq. ID	OJ990808_42.0204.C6
Gene No.	68618	Strand	+
Start	1	End	989
Name	OJ990808_42.0204.C6.o1.tw	Method	TBLASTX:Wheat
Start	383	End	916
GI	none	Score	471
Exons	383..916, 427..915		

Seq. No.	33083	Seq. ID	OJ990808_42.0204.C6
Gene No.	68618	Strand	+
Start	1	End	989
Name	OJ990808_42.0204.C6.o1.gs	Method	GENSCAN

Start	461	End	931
GI	none	Score	.61
Exons	461..931		

Seq. No.	33083	Seq. ID	OJ990808_42.0204.C6
Gene No.	68618	Strand	+
Start	1	End	989
Name	OJ990808_42.0204.C6.o1.tc	Method	TBLASTX:Cress
Start	670	End	915
GI	none	Score	202
Exons	670..915, 674..913		

Seq. No.	33083	Seq. ID	OJ990808_42.0204.C6
Gene No.	68618	Strand	+
Start	1	End	989
Name	OJ990808_42.0204.C6.o1.gp	Method	AAT/GAP
Start	756	End	989
GI	5002953	Score	361
Exons	756..989		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33084	Seq. ID	OJ990808_42.0204.C7
Gene No.	68619	Strand	+
Start	1	End	389
Name	OJ990808_42.0204.C7.o1.np	Method	AAT/NAP
Start	1	End	389
GI	4680203	Score	68
Exons	1..389		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33084	Seq. ID	OJ990808_42.0204.C7
Gene No.	68619	Strand	+
Start	1	End	389
Name	OJ990808_42.0204.C7.o1.gs	Method	GENSCAN
Start	50	End	365
GI	none	Score	.64
Exons	50..365		

Seq. No.	33084	Seq. ID	OJ990808_42.0204.C7
Gene No.	68620	Strand	+
Start	316	End	503
Name	OJ990808_42.0204.C7.o1.gp	Method	AAT/GAP
Start	316	End	503
GI	5002953	Score	270
Exons	316..503		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33085	Seq. ID	OJ990808_42.0204.C8
Gene No.	68621	Strand	+
Start	452	End	12214
Name	OJ990808_42.0204.C8.o1.gs	Method	GENSCAN
Start	452	End	12214
GI	none	Score	.64
Exons	452..528, 600..689, 2784..2916, 3002..3052, 3150..3407, 3466..3715, 3793..5168, 5251..5421, 5501..5640, 6193..6231,		

11442..11711, 11803..11858, 11957..12214

Seq. No.	33085	Seq. ID	OJ990808_42.0204.C8
Gene No.	68622	Strand	-
Start	11055	End	13148
Name	OJ990808_42.0204.C8.o1.np	Method	AAT/NAP
Start	11055	End	13148
GI	5295955	Score	510
Exons	11055..11787, 11875..12130, 12169..12266, 12905..13017, 13051..13148		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	33085	Seq. ID	OJ990808_42.0204.C8
Gene No.	68622	Strand	-
Start	11055	End	13148
Name	OJ990808_42.0204.C8.o2.gs	Method	GENSCAN
Start	12442	End	13032
GI	none	Score	.5
Exons	12442..12523, 12905..13032		

Seq. No.	33086	Seq. ID	OJ990808_42.0204.C9
Gene No.	68623	Strand	+
Start	476	End	6223
Name	OJ990808_42.0204.C9.o1.gs	Method	GENSCAN
Start	476	End	6223
GI	none	Score	.59
Exons	476..540, 1139..1257, 1317..1485, 3919..4290, 5071..5107, 5494..5647, 6048..6223		

Seq. No.	33086	Seq. ID	OJ990808_42.0204.C9
Gene No.	68623	Strand	+
Start	476	End	6223
Name	OJ990808_42.0204.C9.o1.gp	Method	AAT/GAP
Start	1023	End	4005
GI	LIB3433-025-P1-K1-D12	Score	678
Exons	1023..1283, 3887..4005		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	33087	Seq. ID	OJ990808_42.0204.C11
Gene No.	68624	Strand	-
Start	541	End	614
Name	OJ990808_42.0204.C11.o1.gs	Method	GENSCAN
Start	541	End	614
GI	none	Score	1
Exons	541..614		

Seq. No.	33088	Seq. ID	OJ990808_42.0204.C12
Gene No.	68625	Strand	-
Start	1	End	1674
Name	OJ990808_42.0204.C12.o1.np	Method	AAT/NAP
Start	1	End	1064
GI	3645899	Score	464
Exons	1..1064		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	33088	Seq. ID	OJ990808_42.0204.C12
Gene No.	68625	Strand	-
Start	1	End	1674
Name	OJ990808_42.0204.C12.o1.tc	Method	TBLASTX:Cress
Start	5	End	390
GI	none	Score	43
Exons	5..91, 115..390, 232..312, 305..382		

Seq. No.	33088	Seq. ID	OJ990808_42.0204.C12
Gene No.	68625	Strand	-
Start	1	End	1674
Name	OJ990808_42.0204.C12.o1.tm	Method	TBLASTX:Maize
Start	101	End	579
GI	none	Score	253
Exons	101..430, 115..516, 515..577, 517..579		

Seq. No.	33088	Seq. ID	OJ990808_42.0204.C12
Gene No.	68625	Strand	-
Start	1	End	1674
Name	OJ990808_42.0204.C12.o1.ts	Method	TBLASTX:Soybean
Start	115	End	408
GI	none	Score	126
Exons	115..408, 116..388, 211..390		

Seq. No.	33088	Seq. ID	OJ990808_42.0204.C12
Gene No.	68625	Strand	-
Start	1	End	1674
Name	OJ990808_42.0204.C12.o1.gs	Method	GENSCAN
Start	148	End	1674
GI	none	Score	.75
Exons	148..641, 776..968, 1246..1415, 1492..1674		

Seq. No.	33088	Seq. ID	OJ990808_42.0204.C12
Gene No.	68625	Strand	-
Start	1	End	1674
Name	OJ990808_42.0204.C12.o1.tw	Method	TBLASTX:Wheat
Start	250	End	537
GI	none	Score	140
Exons	250..537, 251..424, 259..429		

Seq. No.	33089	Seq. ID	OJ990808_42.0204.C13
Gene No.	68626	Strand	+
Start	12946	End	15762
Name	OJ990808_42.0204.C13.o2.gs	Method	GENSCAN
Start	12946	End	15762
GI	none	Score	.51
Exons	12946..13085, 13199..13354, 13442..13683, 13725..13869, 14915..14943, 15710..15762		

Seq. No.	33089	Seq. ID	OJ990808_42.0204.C13
Gene No.	68627	Strand	+
Start	15710	End	17090
Name	OJ990808_42.0204.C13.o4.np	Method	AAT/NAP
Start	15710	End	17090
GI	6689637	Score	50
Exons	15710..15778, 17021..17090		
GI Descrip.	(AJ245968) Toc34-1 protein [Zea mays]		

Seq. No.	33089	Seq. ID	OJ990808_42.0204.C13
Gene No.	68628	Strand	+
Start	19159	End	20708
Name	OJ990808_42.0204.C13.o3.gs	Method	GENSCAN
Start	19159	End	20708
GI	none	Score	.67
Exons	19159..19339, 20572..20708		

Seq. No.	33089	Seq. ID	OJ990808_42.0204.C13
Gene No.	68629	Strand	-
Start	221	End	8574
Name	OJ990808_42.0204.C13.o2.np	Method	AAT/NAP
Start	221	End	1797
GI	6539588	Score	135
Exons	221..263, 1512..1797		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	33089	Seq. ID	OJ990808_42.0204.C13
Gene No.	68629	Strand	-
Start	221	End	8574
Name	OJ990808_42.0204.C13.o1.gs	Method	GENSCAN
Start	269	End	8574
GI	none	Score	.47
Exons	269..1086, 1102..1357, 1583..1738, 1958..2131, 2301..2435, 2497..2692, 4190..4635, 4753..5064, 5525..6408, 6510..6556, 6898..7042, 8335..8436, 8457..8574		

Seq. No.	33089	Seq. ID	OJ990808_42.0204.C13
Gene No.	68629	Strand	-
Start	221	End	8574
Name	OJ990808_42.0204.C13.o3.np	Method	AAT/NAP
Start	2552	End	6408
GI	4680203	Score	1047
Exons	2552..2570, 4989..6408		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33089	Seq. ID	OJ990808_42.0204.C13
Gene No.	68629	Strand	-
Start	221	End	8574
Name	OJ990808_42.0204.C13.o1.tw	Method	TBLASTX:Wheat
Start	3328	End	6049
GI	none	Score	37
Exons	3328..3441, 5370..5441, 5453..5497, 5457..5498, 5495..5620, 5514..5624, 5633..6049		

Seq. No.	33089	Seq. ID	OJ990808_42.0204.C13
Gene No.	68629	Strand	-
Start	221	End	8574
Name	OJ990808_42.0204.C13.o2.tw	Method	TBLASTX:Wheat
Start	5025	End	5369
GI	none	Score	67
Exons	5025..5180, 5026..5274, 5224..5319, 5226..5321, 5328..5369		

Seq. No.	33089	Seq. ID	OJ990808_42.0204.C13
Gene No.	68629	Strand	-
Start	221	End	8574

Name	OJ990808_42.0204.C13.o1.tm	Method	TBLASTX:Maize
Start	5031	End	5430
GI	none	Score	65
Exons	5031..5180, 5032..5205, 5187..5429, 5203..5430		

Seq. No.	33089	Seq. ID	OJ990808_42.0204.C13
Gene No.	68629	Strand	-
Start	221	End	8574
Name	OJ990808_42.0204.C13.o1.tc	Method	TBLASTX:Cress
Start	5274	End	5620
GI	none	Score	100
Exons	5274..5429, 5275..5427, 5444..5620, 5466..5615		

Seq. No.	33089	Seq. ID	OJ990808_42.0204.C13
Gene No.	68629	Strand	-
Start	221	End	8574
Name	OJ990808_42.0204.C13.o2.ts	Method	TBLASTX:Soybean
Start	5355	End	5617
GI	none	Score	147
Exons	5355..5456, 5444..5617		

Seq. No.	33089	Seq. ID	OJ990808_42.0204.C13
Gene No.	68629	Strand	-
Start	221	End	8574
Name	OJ990808_42.0204.C13.o1.ts	Method	TBLASTX:Soybean
Start	5640	End	5972
GI	none	Score	191
Exons	5640..5924, 5642..5923, 5691..5945, 5922..5972, 5930..5959		

Seq. No.	33090	Seq. ID	OJ990808_42.0204.C14
Gene No.	68630	Strand	+
Start	181	End	570
Name	OJ990808_42.0204.C14.o1.gs	Method	GENSCAN
Start	181	End	570
GI	none	Score	.8
Exons	181..570		

Seq. No.	33091	Seq. ID	OJ990808_42.0204.C16
Gene No.	68631	Strand	+
Start	95	End	168
Name	OJ990808_42.0204.C16.o1.gs	Method	GENSCAN
Start	95	End	168
GI	none	Score	.87
Exons	95..168		

Seq. No.	33091	Seq. ID	OJ990808_42.0204.C16
Gene No.	68632	Strand	-
Start	1	End	3084
Name	OJ990808_42.0204.C16.o1.np	Method	AAT/NAP
Start	1	End	2565
GI	4680203	Score	975
Exons	1..1306, 2527..2565		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33091	Seq. ID	OJ990808_42.0204.C16
Gene No.	68632	Strand	-
Start	1	End	3084

Name	OJ990808_42.0204.C16.o1.tw	Method	TBLASTX:Wheat
Start	89	End	403
GI	none	Score	161
Exons	89..403, 144..335		

Seq. No.	33091	Seq. ID	OJ990808_42.0204.C16
Gene No.	68632	Strand	-
Start	1	End	3084
Name	OJ990808_42.0204.C16.o1.tm	Method	TBLASTX:Maize
Start	131	End	412
GI	none	Score	130
Exons	131..412, 144..401		

Seq. No.	33091	Seq. ID	OJ990808_42.0204.C16
Gene No.	68632	Strand	-
Start	1	End	3084
Name	OJ990808_42.0204.C16.o1.tc	Method	TBLASTX:Cress
Start	176	End	523
GI	none	Score	62
Exons	176..523, 177..251, 218..322,	276..332, 369..506	

Seq. No.	33091	Seq. ID	OJ990808_42.0204.C16
Gene No.	68632	Strand	-
Start	1	End	3084
Name	OJ990808_42.0204.C16.o1.ts	Method	TBLASTX:Soybean
Start	254	End	673
GI	none	Score	107
Exons	254..520, 258..503, 551..673,	552..671	

Seq. No.	33091	Seq. ID	OJ990808_42.0204.C16
Gene No.	68632	Strand	-
Start	1	End	3084
Name	OJ990808_42.0204.C16.o2.tw	Method	TBLASTX:Wheat
Start	404	End	3084
GI	none	Score	56
Exons	404..523, 411..506, 551..952,	552..713, 831..854, 3031..3084	

Seq. No.	33091	Seq. ID	OJ990808_42.0204.C16
Gene No.	68632	Strand	-
Start	1	End	3084
Name	OJ990808_42.0204.C16.o2.gs	Method	GENSCAN
Start	569	End	2283
GI	none	Score	.86
Exons	569..1306, 1684..1836, 2195..2283		

Seq. No.	33092	Seq. ID	OJ990808_42.0204.C17
Gene No.	68633	Strand	+
Start	3330	End	3475
Name	OJ990808_42.0204.C17.o1.gs	Method	GENSCAN
Start	3330	End	3475
GI	none	Score	.5
Exons	3330..3378, 3408..3475		

Seq. No.	33092	Seq. ID	OJ990808_42.0204.C17
Gene No.	68634	Strand	+
Start	10875	End	13780
Name	OJ990808_42.0204.C17.o1.np	Method	AAT/NAP

Start	10875	End	13780
GI	4680203	Score	2204
Exons	10875..12527, 12803..13780		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33092	Seq. ID	OJ990808_42.0204.C17
Gene No.	68635	Strand	+
Start	16149	End	19867
Name	OJ990808_42.0204.C17.o2.np	Method	AAT/NAP
Start	16149	End	19867
GI	4680204	Score	1007
Exons	16149..17585, 17681..18834, 18932..19063, 19160..19379, 19730..19867		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	33092	Seq. ID	OJ990808_42.0204.C17
Gene No.	68636	Strand	+
Start	21534	End	22314
Name	OJ990808_42.0204.C17.o4.np	Method	AAT/NAP
Start	21534	End	22314
GI	4325354	Score	163
Exons	21534..21767, 21834..21882, 21949..22314		
GI Descrip.	(AF128395) contains similarity to retrovirus-related polyproteins and to CCHC zinc finger protein (Pfam: PF00098, Score=16.3, E=0.051, E= 1) [Arabidopsis thaliana]		

Seq. No.	33092	Seq. ID	OJ990808_42.0204.C17
Gene No.	68637	Strand	-
Start	6416	End	8938
Name	OJ990808_42.0204.C17.o2.gs	Method	GENSCAN
Start	6416	End	8893
GI	none	Score	.45
Exons	6416..6583, 7241..7301, 7621..7651, 7831..7898, 8090..8310, 8603..8893		

Seq. No.	33092	Seq. ID	OJ990808_42.0204.C17
Gene No.	68637	Strand	-
Start	6416	End	8938
Name	OJ990808_42.0204.C17.o1.gp	Method	AAT/GAP
Start	7906	End	8938
GI	15354_1.R1084	Score	534
Exons	7906..7924, 8586..8938		
GI Descrip.	'2865177/dbj|BAA24804| 1.0e-46 (AB010946) AtRer1B [Arabidopsis thaliana]'		

Seq. No.	33092	Seq. ID	OJ990808_42.0204.C17
Gene No.	68637	Strand	-
Start	6416	End	8938
Name	OJ990808_42.0204.C17.o2.gp	Method	AAT/GAP
Start	8586	End	8938
GI	15354_1.R1084	Score	536
Exons	8586..8938		
GI Descrip.	'2865177/dbj|BAA24804| 1.0e-46 (AB010946) AtRer1B [Arabidopsis thaliana]'		

Seq. No.	33092	Seq. ID	OJ990808_42.0204.C17
Gene No.	68638	Strand	

Start	11181	End	11577
Name	OJ990808_42.0204.C17.o3.tw	Method	TBLASTX:Wheat
Start	11181	End	11577
GI	none	Score	106
Exons	11181..11333, 11257..11319, 11316..11567, 11317..11541, 11324..11566, 11327..11569, 11335..11577		

Seq. No.	33092	Seq. ID	OJ990808_42.0204.C17
Gene No.	68639	Strand	
Start	11499	End	11972
Name	OJ990808_42.0204.C17.o1.ts	Method	TBLASTX:Soybean
Start	11499	End	11927
GI	none	Score	88
Exons	11499..11573, 11513..11581, 11631..11927, 11685..11909		

Seq. No.	33092	Seq. ID	OJ990808_42.0204.C17
Gene No.	68639	Strand	
Start	11499	End	11972
Name	OJ990808_42.0204.C17.o2.tc	Method	TBLASTX:Cress
Start	11660	End	11966
GI	none	Score	276
Exons	11660..11812, 11667..11966, 11861..11947		

Seq. No.	33092	Seq. ID	OJ990808_42.0204.C17
Gene No.	68639	Strand	
Start	11499	End	11972
Name	OJ990808_42.0204.C17.o3.tm	Method	TBLASTX:Maize
Start	11748	End	11972
GI	none	Score	39
Exons	11748..11972, 11751..11789, 11775..11966, 11777..11968		

Seq. No.	33092	Seq. ID	OJ990808_42.0204.C17
Gene No.	68639	Strand	
Start	11499	End	11972
Name	OJ990808_42.0204.C17.o6.tw	Method	TBLASTX:Wheat
Start	11795	End	11968
GI	none	Score	262
Exons	11795..11968, 11796..11966, 11798..11968		

Seq. No.	33092	Seq. ID	OJ990808_42.0204.C17
Gene No.	68640	Strand	
Start	11999	End	12409
Name	OJ990808_42.0204.C17.o4.tw	Method	TBLASTX:Wheat
Start	11999	End	12409
GI	none	Score	79
Exons	11999..12049, 12000..12062, 12048..12290, 12068..12250, 12323..12409, 12324..12407		

Seq. No.	33092	Seq. ID	OJ990808_42.0204.C17
Gene No.	68641	Strand	
Start	12387	End	13726
Name	OJ990808_42.0204.C17.o1.tm	Method	TBLASTX:Maize
Start	12387	End	12766
GI	none	Score	42
Exons	12387..12437, 12453..12656, 12464..12625, 12638..12766, 12655..12738		

Seq. No.	33092	Seq. ID	OJ990808_42.0204.C17
Gene No.	68641	Strand	
Start	12387	End	13726
Name	OJ990808_42.0204.C17.o1.tw	Method	TBLASTX:Wheat
Start	12410	End	13726
GI	none	Score	295
Exons	12410..12655, 12411..12656, 12641..12877, 12655..13140, 12656..12829, 12658..13134, 12875..13327, 12995..13312, 13322..13366, 13325..13366, 13369..13464, 13373..13432, 13411..13536, 13412..13540, 13433..13543, 13583..13645, 13634..13726		

Seq. No.	33092	Seq. ID	OJ990808_42.0204.C17
Gene No.	68641	Strand	
Start	12387	End	13726
Name	OJ990808_42.0204.C17.o1.tc	Method	TBLASTX:Cress
Start	12697	End	13144
GI	none	Score	172
Exons	12697..13134, 12697..13140, 12875..13144, 12995..13144		

Seq. No.	33092	Seq. ID	OJ990808_42.0204.C17
Gene No.	68642	Strand	
Start	16792	End	17195
Name	OJ990808_42.0204.C17.o5.tw	Method	TBLASTX:Wheat
Start	16792	End	17195
GI	none	Score	62
Exons	16792..16932, 16792..16908, 16794..17030, 16794..16943, 16895..17062, 17100..17195, 17103..17195		

Seq. No.	33092	Seq. ID	OJ990808_42.0204.C17
Gene No.	68643	Strand	
Start	21794	End	22314
Name	OJ990808_42.0204.C17.o2.tm	Method	TBLASTX:Maize
Start	21794	End	22022
GI	none	Score	70
Exons	21794..22015, 21804..22022, 21848..22021		

Seq. No.	33092	Seq. ID	OJ990808_42.0204.C17
Gene No.	68643	Strand	
Start	21794	End	22314
Name	OJ990808_42.0204.C17.o2.tw	Method	TBLASTX:Wheat
Start	21837	End	22314
GI	none	Score	324
Exons	21837..22205, 21849..22172, 21851..22174, 22208..22312, 22216..22314		

Seq. No.	33092	Seq. ID	OJ990808_42.0204.C17
Gene No.	68643	Strand	
Start	21794	End	22314
Name	OJ990808_42.0204.C17.o2.ts	Method	TBLASTX:Soybean
Start	21855	End	22214
GI	none	Score	159
Exons	21855..22025, 22050..22211, 22050..22214		

Seq. No.	33093	Seq. ID	OJ990808_42.0204.C18
Gene No.	68644	Strand	+
Start	1	End	5519

Name	OJ990808_42.0204.C18.o1.np	Method	AAT/NAP
Start	1	End	4724
GI	6705984	Score	650
Exons	1..911, 4679..4724		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	33093	Seq. ID	OJ990808_42.0204.C18
Gene No.	68644	Strand	+
Start	1	End	5519
Name	OJ990808_42.0204.C18.o2.gs	Method	GENSCAN
Start	1787	End	5519
GI	none	Score	.67
Exons	1787..1913, 3258..3360, 3564..3725, 4498..4884, 4913..5519		

Seq. No.	33093	Seq. ID	OJ990808_42.0204.C18
Gene No.	68645	Strand	-
Start	1303	End	1840
Name	OJ990808_42.0204.C18.o2.np	Method	AAT/NAP
Start	1303	End	1840
GI	6498436	Score	55
Exons	1303..1455, 1622..1840		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	33093	Seq. ID	OJ990808_42.0204.C18
Gene No.	68646	Strand	-
Start	2797	End	3055
Name	OJ990808_42.0204.C18.o1.gp	Method	AAT/GAP
Start	2797	End	3055
GI	61605_3.R1084	Score	417
Exons	2797..3055		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	33093	Seq. ID	OJ990808_42.0204.C18
Gene No.	68647	Strand	-
Start	3419	End	9083
Name	OJ990808_42.0204.C18.o1.tw	Method	TBLASTX:Wheat
Start	359	End	817
GI	none	Score	281
Exons	359..640, 428..628, 645..788, 646..813, 647..817		

Seq. No.	33093	Seq. ID	OJ990808_42.0204.C18
Gene No.	68647	Strand	-
Start	3419	End	9083
Name	OJ990808_42.0204.C18.o1.tm	Method	TBLASTX:Maize
Start	596	End	832
GI	none	Score	265
Exons	596..832, 601..723, 626..826		

Seq. No.	33093	Seq. ID	OJ990808_42.0204.C18
Gene No.	68647	Strand	-
Start	3419	End	9083
Name	OJ990808_42.0204.C18.o1.ts	Method	TBLASTX:Soybean
Start	596	End	832
GI	none	Score	257
Exons	596..832, 601..723, 626..826		

Seq. No.	33093	Seq. ID	OJ990808_42.0204.C18
Gene No.	68647	Strand	-
Start	3419	End	9083
Name	OJ990808_42.0204.C18.o3.np	Method	AAT/NAP
Start	3419	End	9083
GI	6063554	Score	170
Exons	3419..3589, 4223..4257, 4769..4895, 4995..5415, 8984..9083		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33093	Seq. ID	OJ990808_42.0204.C18
Gene No.	68647	Strand	-
Start	3419	End	9083
Name	OJ990808_42.0204.C18.o3.gs	Method	GENSCAN
Start	8963	End	9067
GI	none	Score	.97
Exons	8963..9067		

Seq. No.	33094	Seq. ID	OJ990808_42.0204.C19
Gene No.	68648	Strand	+
Start	1020	End	5761
Name	OJ990808_42.0204.C19.o1.gs	Method	GENSCAN
Start	1020	End	5761
GI	none	Score	.71
Exons	1020..1022, 2599..2904, 3100..3206, 3905..4009, 4214..4336, 5257..5502, 5635..5761		

Seq. No.	33094	Seq. ID	OJ990808_42.0204.C19
Gene No.	68648	Strand	+
Start	1020	End	5761
Name	OJ990808_42.0204.C19.o2.gp	Method	AAT/GAP
Start	3960	End	4341
GI	uC-osf1cyp033a04b1	Score	667
Exons	3960..4341		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	33094	Seq. ID	OJ990808_42.0204.C19
Gene No.	68649	Strand	-
Start	1	End	4242
Name	OJ990808_42.0204.C19.o1.np	Method	AAT/NAP
Start	1	End	4242
GI	5852180	Score	462
Exons	1..32, 2652..3058, 3110..3228, 4190..4242		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	33094	Seq. ID	OJ990808_42.0204.C19
Gene No.	68650	Strand	-
Start	8257	End	9351
Name	OJ990808_42.0204.C19.o3.tw	Method	TBLASTX:Wheat
Start	7069	End	7433
GI	none	Score	95
Exons	7069..7239, 7071..7196, 7251..7433		

Seq. No.	33094	Seq. ID	OJ990808_42.0204.C19
Gene No.	68650	Strand	-

Start	8257	End	9351
Name	OJ990808_42.0204.C19.o2.tm	Method	TBLASTX:Maize
Start	7164	End	7635
GI	none	Score	62
Exons	7164..7196, 7165..7245, 7261..7635, 7263..7634		

Seq. No.	33094	Seq. ID	OJ990808_42.0204.C19
Gene No.	68650	Strand	-
Start	8257	End	9351
Name	OJ990808_42.0204.C19.o1.ts	Method	TBLASTX:Soybean
Start	7707	End	8233
GI	none	Score	54
Exons	7707..7787, 7763..7891, 7773..7871, 7880..8233, 7881..8114, 8181..8222		

Seq. No.	33094	Seq. ID	OJ990808_42.0204.C19
Gene No.	68650	Strand	-
Start	8257	End	9351
Name	OJ990808_42.0204.C19.o4.tw	Method	TBLASTX:Wheat
Start	7722	End	8084
GI	none	Score	125
Exons	7722..7787, 7749..8084, 7784..8083		

Seq. No.	33094	Seq. ID	OJ990808_42.0204.C19
Gene No.	68650	Strand	-
Start	8257	End	9351
Name	OJ990808_42.0204.C19.o1.tm	Method	TBLASTX:Maize
Start	7865	End	8799
GI	none	Score	117
Exons	7865..8263, 7884..8129, 8178..8279, 8275..8799, 8282..8443, 8389..8547, 8465..8776, 8587..8784		

Seq. No.	33094	Seq. ID	OJ990808_42.0204.C19
Gene No.	68650	Strand	-
Start	8257	End	9351
Name	OJ990808_42.0204.C19.o2.gs	Method	GENSCAN
Start	8257	End	9220
GI	none	Score	.65
Exons	8257..9220		

Seq. No.	33094	Seq. ID	OJ990808_42.0204.C19
Gene No.	68650	Strand	-
Start	8257	End	9351
Name	OJ990808_42.0204.C19.o1.tw	Method	TBLASTX:Wheat
Start	8437	End	8749
GI	none	Score	192
Exons	8437..8748, 8471..8749		

Seq. No.	33094	Seq. ID	OJ990808_42.0204.C19
Gene No.	68650	Strand	-
Start	8257	End	9351
Name	OJ990808_42.0204.C19.o2.tw	Method	TBLASTX:Wheat
Start	9076	End	9351
GI	none	Score	143
Exons	9076..9351, 9086..9349		

Seq. No.	33095	Seq. ID	OJ990808_42.0204.C20

Gene No.	68651	Strand	-
Start	1	End	3143
Name	OJ990808_42.0204.C20.o1.np	Method	AAT/NAP
Start	1	End	3143
GI	4680204	Score	888
Exons	1..166, 261..434, 539..1611, 1707..3143		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	33095	Seq. ID	OJ990808_42.0204.C20
Gene No.	68651	Strand	-
Start	1	End	3143
Name	OJ990808_42.0204.C20.o1.gs	Method	GENSCAN
Start	56	End	669
GI	none	Score	.93
Exons	56..166, 261..434, 539..669		

Seq. No.	33095	Seq. ID	OJ990808_42.0204.C20
Gene No.	68651	Strand	-
Start	1	End	3143
Name	OJ990808_42.0204.C20.o2.tw	Method	TBLASTX:Wheat
Start	1399	End	2096
GI	none	Score	49
Exons	1399..1617, 1544..1615, 1701..1775, 2016..2096		

Seq. No.	33095	Seq. ID	OJ990808_42.0204.C20
Gene No.	68651	Strand	-
Start	1	End	3143
Name	OJ990808_42.0204.C20.o1.tw	Method	TBLASTX:Wheat
Start	2097	End	2500
GI	none	Score	74
Exons	2097..2267, 2098..2172, 2257..2397, 2262..2498, 2349..2498, 2384..2500		

Seq. No.	33096	Seq. ID	OJ990808_42.0204.C21
Gene No.	68652	Strand	+
Start	816	End	1260
Name	OJ990808_42.0204.C21.o1.gp	Method	AAT/GAP
Start	816	End	1260
GI	LIB3431-028-P1-N1-A10	Score	758
Exons	816..886, 914..1260		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	33096	Seq. ID	OJ990808_42.0204.C21
Gene No.	68653	Strand	-
Start	879	End	1445
Name	OJ990808_42.0204.C21.o1.gs	Method	GENSCAN
Start	879	End	1423
GI	none	Score	.94
Exons	879..1275, 1281..1423		

Seq. No.	33096	Seq. ID	OJ990808_42.0204.C21
Gene No.	68653	Strand	-
Start	879	End	1445
Name	OJ990808_42.0204.C21.o1.np	Method	AAT/NAP
Start	900	End	1445
GI	4680203	Score	498

Exons	900..1445		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	33096	Seq. ID	OJ990808_42.0204.C21
Gene No.	68653	Strand	-
Start	879	End	1445
Name	OJ990808_42.0204.C21.o1.tw	Method	TBLASTX:Wheat
Start	960	End	1445
GI	none	Score	51
Exons	960..1046, 964..1020, 1035..1115, 1128..1268, 1129..1269, 1216..1302, 1248..1301, 1313..1354, 1313..1357, 1318..1359, 1352..1444, 1368..1445		
Seq. No.	33097	Seq. ID	OJ990808_42.0204.C22
Gene No.	68654	Strand	+
Start	154	End	237
Name	OJ990808_42.0204.C22.o1.gs	Method	GENSCAN
Start	154	End	237
GI	none	Score	.78
Exons	154..237		
Seq. No.	33098	Seq. ID	OJ990808_42.0204.C25
Gene No.	68655	Strand	-
Start	116	End	282
Name	OJ990808_42.0204.C25.o1.gs	Method	GENSCAN
Start	116	End	282
GI	none	Score	.79
Exons	116..282		
Seq. No.	33099	Seq. ID	OJ990808_42.0204.C27
Gene No.	68656	Strand	+
Start	126	End	521
Name	OJ990808_42.0204.C27.o1.gs	Method	GENSCAN
Start	126	End	521
GI	none	Score	.96
Exons	126..138, 240..521		
Seq. No.	33100	Seq. ID	OJ990808_42.0204.C28
Gene No.	68657	Strand	+
Start	52	End	168
Name	OJ990808_42.0204.C28.o1.gs	Method	GENSCAN
Start	52	End	168
GI	none	Score	.99
Exons	52..168		
Seq. No.	33101	Seq. ID	OJ990808_42.0204.C29
Gene No.	68658	Strand	-
Start	1	End	72
Name	OJ990808_42.0204.C29.o1.gp	Method	AAT/GAP
Start	1	End	72
GI	none	Score	128
Exons	1..72		
Seq. No.	33102	Seq. ID	OJ990528_12.0204.C2
Gene No.	68659	Strand	-
Start	80	End	624
Name	OJ990528_12.0204.C2.o1.gs	Method	GENSCAN

Start	80	End	624
GI	none	Score	.41
Exons	80..222, 408..624		

Seq. No.	33103	Seq. ID	OJ990528_12.0204.C6
Gene No.	68660	Strand	+
Start	233	End	316
Name	OJ990528_12.0204.C6.o1.gs	Method	GENSCAN
Start	233	End	316
GI	none	Score	.53
Exons	233..316		

Seq. No.	33104	Seq. ID	OJ990528_12.0204.C7
Gene No.	68661	Strand	+
Start	280	End	773
Name	OJ990528_12.0204.C7.o1.gs	Method	GENSCAN
Start	280	End	773
GI	none	Score	.86
Exons	280..366, 603..773		

Seq. No.	33104	Seq. ID	OJ990528_12.0204.C7
Gene No.	68662	Strand	-
Start	1	End	806
Name	OJ990528_12.0204.C7.o1.np	Method	AAT/NAP
Start	1	End	806
GI	5922623	Score	176
Exons	1..77, 136..349, 726..806		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	33105	Seq. ID	OJ990528_12.0204.C9
Gene No.	68663	Strand	+
Start	204	End	256
Name	OJ990528_12.0204.C9.o1.gs	Method	GENSCAN
Start	204	End	256
GI	none	Score	.72
Exons	204..256		

Seq. No.	33105	Seq. ID	OJ990528_12.0204.C9
Gene No.	68664	Strand	-
Start	1	End	392
Name	OJ990528_12.0204.C9.o1.np	Method	AAT/NAP
Start	1	End	392
GI	2656007	Score	103
Exons	1..226, 307..392		
GI Descrip.	(Z99126) DEAD/DEAH box helicase [Schizosaccharomyces pombe]		

Seq. No.	33106	Seq. ID	OJ990528_12.0204.C12
Gene No.	68665	Strand	+
Start	1	End	173
Name	OJ990528_12.0204.C12.o1.gp	Method	AAT/GAP
Start	1	End	173
GI	3760270	Score	275
Exons	1..173		

Seq. No.	33106	Seq. ID	OJ990528_12.0204.C12

Gene No.	68666	Strand	+
Start	312	End	564
Name	OJ990528_12.0204.C12.o1.gs	Method	GENSCAN
Start	312	End	564
GI	none	Score	.82
Exons	312..385, 489..564		

Seq. No.	33107	Seq. ID	OJ990528_12.0204.C13
Gene No.	68667	Strand	-
Start	1	End	779
Name	OJ990528_12.0204.C13.o1.np	Method	AAT/NAP
Start	1	End	779
GI	6721517	Score	921
Exons	1..487, 536..779		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	33107	Seq. ID	OJ990528_12.0204.C13
Gene No.	68667	Strand	-
Start	1	End	779
Name	OJ990528_12.0204.C13.o1.gs	Method	GENSCAN
Start	96	End	751
GI	none	Score	.58
Exons	96..751		

Seq. No.	33107	Seq. ID	OJ990528_12.0204.C13
Gene No.	68667	Strand	-
Start	1	End	779
Name	OJ990528_12.0204.C13.o1.tw	Method	TBLASTX:Wheat
Start	113	End	431
GI	none	Score	79
Exons	113..247, 113..430, 336..431		

Seq. No.	33107	Seq. ID	OJ990528_12.0204.C13
Gene No.	68667	Strand	-
Start	1	End	779
Name	OJ990528_12.0204.C13.o1.tm	Method	TBLASTX:Maize
Start	164	End	484
GI	none	Score	209
Exons	164..484		

Seq. No.	33108	Seq. ID	OJ990528_12.0204.C15
Gene No.	68668	Strand	-
Start	214	End	355
Name	OJ990528_12.0204.C15.o1.gs	Method	GENSCAN
Start	214	End	355
GI	none	Score	.82
Exons	214..355		

Seq. No.	33109	Seq. ID	OJ990528_12.0204.C16
Gene No.	68669	Strand	+
Start	1	End	91
Name	OJ990528_12.0204.C16.o1.gp	Method	AAT/GAP
Start	1	End	91
GI	828 1.R1084	Score	153
Exons	1..91		
GI Descrip.	'4539568/emb|CAB38487.1| 6.0e-19 (AL035636) putative helicase [Streptomyces coelicolor]'		

Seq. No.	33109	Seq. ID	OJ990528_12.0204.C16
Gene No.	68670	Strand	+
Start	167	End	219
Name	OJ990528_12.0204.C16.o1.gs	Method	GENSCAN
Start	167	End	219
GI	none	Score	.85
Exons	167..219		

Seq. No.	33110	Seq. ID	OJ990528_12.0204.C18
Gene No.	68671	Strand	+
Start	571	End	656
Name	OJ990528_12.0204.C18.o1.gs	Method	GENSCAN
Start	571	End	656
GI	none	Score	.43
Exons	571..656		

Seq. No.	33111	Seq. ID	OJ990528_12.0204.C21
Gene No.	68672	Strand	-
Start	69	End	347
Name	OJ990528_12.0204.C21.o1.gs	Method	GENSCAN
Start	69	End	347
GI	none	Score	.65
Exons	69..155, 324..347		

Seq. No.	33112	Seq. ID	OJ990528_12.0204.C22
Gene No.	68673	Strand	+
Start	45	End	164
Name	OJ990528_12.0204.C22.o1.gs	Method	GENSCAN
Start	45	End	164
GI	none	Score	.76
Exons	45..164		

Seq. No.	33113	Seq. ID	OJ990528_12.0204.C24
Gene No.	68674	Strand	+
Start	310	End	484
Name	OJ990528_12.0204.C24.o1.gs	Method	GENSCAN
Start	310	End	484
GI	none	Score	.42
Exons	310..484		

Seq. No.	33114	Seq. ID	OJ990528_12.0204.C25
Gene No.	68675	Strand	-
Start	32	End	817
Name	OJ990528_12.0204.C25.o1.gs	Method	GENSCAN
Start	32	End	817
GI	none	Score	.9
Exons	32..817		

Seq. No.	33115	Seq. ID	OJ990528_12.0204.C26
Gene No.	68676	Strand	+
Start	58	End	4167
Name	OJ990528_12.0204.C26.o1.gp	Method	AAT/GAP
Start	58	End	2994
GI	44408_1.R1084	Score	1519
Exons	58..169, 524..588, 716..755, 1133..1356, 2330..2572, 2850..2994		
GI Descrip.	'2506139/sp|P49661|COPD_ORYSA 3.0e-79 COATOMER DELTA SUBUNIT		

(DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN)
>gi_1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]'

Seq. No.	33115	Seq. ID	OJ990528_12.0204.C26
Gene No.	68676	Strand	+
Start	58	End	4167
Name	OJ990528_12.0204.C26.o1.tc	Method	TBLASTX:Cress
Start	680	End	4166
GI	none	Score	52
Exons	680..754, 864..923, 1101..1229, 1123..1359, 1136..1372, 1137..1307, 1175..1381, 1305..1379, 2309..2575, 2330..2575, 3267..3332, 3282..3314, 3335..3397, 3336..3386, 3429..3575, 3430..3558, 3435..3572, 3947..4102, 3999..4103, 4086..4166		

Seq. No.	33115	Seq. ID	OJ990528_12.0204.C26
Gene No.	68676	Strand	+
Start	58	End	4167
Name	OJ990528_12.0204.C26.o1.np	Method	AAT/NAP
Start	713	End	4167
GI	2506139	Score	1365
Exons	713..755, 1133..1356, 2330..2572, 2850..3015, 3265..3569, 3981..4167		
GI Descrip.	COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) gi|1314049|emb|CAA91901| (Z67962) archain/delta-COP [Oryza sativa]		

Seq. No.	33115	Seq. ID	OJ990528_12.0204.C26
Gene No.	68676	Strand	+
Start	58	End	4167
Name	OJ990528_12.0204.C26.o1.gs	Method	GENSCAN
Start	716	End	4167
GI	none	Score	.75
Exons	716..755, 2322..2572, 2850..3018, 3265..3569, 3981..4167		

Seq. No.	33115	Seq. ID	OJ990528_12.0204.C26
Gene No.	68676	Strand	+
Start	58	End	4167
Name	OJ990528_12.0204.C26.o1.ts	Method	TBLASTX:Soybean
Start	1080	End	3362
GI	none	Score	358
Exons	1080..1304, 1081..1359, 1138..1359, 1160..1363, 2325..2564, 2326..2550, 2330..2575, 2330..2575, 3260..3361, 3264..3362		

Seq. No.	33115	Seq. ID	OJ990528_12.0204.C26
Gene No.	68676	Strand	+
Start	58	End	4167
Name	OJ990528_12.0204.C26.o1.tm	Method	TBLASTX:Maize
Start	1089	End	4166
GI	none	Score	167
Exons	1089..1307, 1101..1229, 1102..1359, 1126..1359, 2329..2478, 2330..2575, 2330..2569, 2844..3017, 2849..2914, 2857..3009, 2987..3016, 3259..3567, 3264..3572, 3267..3569, 3947..4165, 3981..4166		

Seq. No.	33115	Seq. ID	OJ990528_12.0204.C26
Gene No.	68676	Strand	+

Start	58	End	4167
Name	OJ990528_12.0204.C26.o2.gp	Method	AAT/GAP
Start	3402	End	4167
GI	22086_1.R1084	Score	676
Exons	3402..3569, 3981..4167		
GI Descrip.	'2506139/sp|P49661|COPD_ORYSA 3.0e-09 COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) >gi_1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]'		

Seq. No.	33116	Seq. ID	OJ990528_12.0204.C27
Gene No.	68677	Strand	+
Start	1	End	2214
Name	OJ990528_12.0204.C27.o1.np	Method	AAT/NAP
Start	1	End	1977
GI	2506139	Score	781
Exons	1..119, 382..570, 672..825, 1547..1609, 1698..1794, 1891..1977		
GI Descrip.	COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) gi|1314049|emb|CAA91901| (Z67962) archain/delta-COP [Oryza sativa]		

Seq. No.	33116	Seq. ID	OJ990528_12.0204.C27
Gene No.	68677	Strand	+
Start	1	End	2214
Name	OJ990528_12.0204.C27.o1.gp	Method	AAT/GAP
Start	382	End	2214
GI	22086_1.R1084	Score	1527
Exons	382..570, 672..825, 1547..1609, 1698..1794, 1891..2214		
GI Descrip.	'2506139/sp|P49661|COPD_ORYSA 3.0e-09 COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) >gi_1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]'		

Seq. No.	33116	Seq. ID	OJ990528_12.0204.C27
Gene No.	68677	Strand	+
Start	1	End	2214
Name	OJ990528_12.0204.C27.o1.gs	Method	GENSCAN
Start	384	End	1980
GI	none	Score	.99
Exons	384..570, 672..825, 1547..1609, 1698..1794, 1891..1980		

Seq. No.	33116	Seq. ID	OJ990528_12.0204.C27
Gene No.	68678	Strand	+
Start	3257	End	3545
Name	OJ990528_12.0204.C27.o1.tc	Method	TBLASTX:Cress
Start	350	End	1920
GI	none	Score	130
Exons	350..505, 402..506, 489..569, 668..826, 670..828, 674..829, 676..837, 1538..1609, 1542..1607, 1675..1797, 1710..1796, 1885..1920		

Seq. No.	33116	Seq. ID	OJ990528_12.0204.C27
Gene No.	68678	Strand	+
Start	3257	End	3545
Name	OJ990528_12.0204.C27.o1.tm	Method	TBLASTX:Maize
Start	350	End	2169
GI	none	Score	314

Exons	350..568, 384..569, 657..818, 658..837, 668..826, 1538..1609, 1542..1607, 1555..1608, 1674..1796, 1687..1800, 1696..1797, 1709..1801, 1885..1983, 1889..2032, 1890..1988, 2140..2169		
Seq. No.	33116	Seq. ID	OJ990528_12.0204.C27
Gene No.	68678	Strand	+
Start	3257	End	3545
Name	OJ990528_12.0204.C27.o1.ts	Method	TBLASTX:Soybean
Start	384	End	793
GI	none	Score	134
Exons	384..506, 410..505, 501..569, 664..792, 668..793		
Seq. No.	33116	Seq. ID	OJ990528_12.0204.C27
Gene No.	68678	Strand	+
Start	3257	End	3545
Name	OJ990528_12.0204.C27.o2.ts	Method	TBLASTX:Soybean
Start	1538	End	1980
GI	none	Score	102
Exons	1538..1609, 1542..1607, 1629..1796, 1693..1797, 1696..1797, 1885..1980		
Seq. No.	33116	Seq. ID	OJ990528_12.0204.C27
Gene No.	68678	Strand	+
Start	3257	End	3545
Name	OJ990528_12.0204.C27.o2.gs	Method	GENSCAN
Start	3257	End	3545
GI	none	Score	.58
Exons	3257..3545		
Seq. No.	33117	Seq. ID	OJ990528_12.0204.C28
Gene No.	68679	Strand	-
Start	1	End	590
Name	OJ990528_12.0204.C28.o1.np	Method	AAT/NAP
Start	1	End	590
GI	6742729	Score	455
Exons	1..590		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		
Seq. No.	33117	Seq. ID	OJ990528_12.0204.C28
Gene No.	68680	Strand	-
Start	554	End	915
Name	OJ990528_12.0204.C28.o1.tw	Method	TBLASTX:Wheat
Start	174	End	542
GI	none	Score	111
Exons	174..347, 414..461, 459..542		
Seq. No.	33117	Seq. ID	OJ990528_12.0204.C28
Gene No.	68680	Strand	-
Start	554	End	915
Name	OJ990528_12.0204.C28.o1.tm	Method	TBLASTX:Maize
Start	321	End	539
GI	none	Score	57
Exons	321..401, 339..467, 459..539, 480..527		
Seq. No.	33117	Seq. ID	OJ990528_12.0204.C28
Gene No.	68680	Strand	-
Start	554	End	915

Name	OJ990528_12.0204.C28.o2.np	Method	AAT/NAP
Start	554	End	795
GI	99922	Score	193
Exons	554..795		
GI Descrip.	hypothetical protein - soybean gi|930025|emb|CAA31883| (X13528) ORF (334 AA) [Glycine max]		

Seq. No.	33117	Seq. ID	OJ990528_12.0204.C28
Gene No.	68680	Strand	-
Start	554	End	915
Name	OJ990528_12.0204.C28.o1.ts	Method	TBLASTX:Soybean
Start	590	End	882
GI	none	Score	58
Exons	590..739, 591..746, 746..826, 787..846, 853..882		

Seq. No.	33117	Seq. ID	OJ990528_12.0204.C28
Gene No.	68680	Strand	-
Start	554	End	915
Name	OJ990528_12.0204.C28.o2.tw	Method	TBLASTX:Wheat
Start	590	End	915
GI	none	Score	69
Exons	590..739, 591..743, 793..915		

Seq. No.	33118	Seq. ID	OJ990528_12.0204.C29
Gene No.	68681	Strand	+
Start	1	End	4889
Name	OJ990528_12.0204.C29.o1.np	Method	AAT/NAP
Start	1	End	4889
GI	5852175	Score	159
Exons	1..74, 186..234, 805..915, 4870..4889		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	33118	Seq. ID	OJ990528_12.0204.C29
Gene No.	68681	Strand	+
Start	1	End	4889
Name	OJ990528_12.0204.C29.o1.gp	Method	AAT/GAP
Start	191	End	439
GI	101153_1.R1084	Score	392
Exons	191..439		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	33118	Seq. ID	OJ990528_12.0204.C29
Gene No.	68681	Strand	+
Start	1	End	4889
Name	OJ990528_12.0204.C29.o2.gp	Method	AAT/GAP
Start	457	End	886
GI	2428185	Score	809
Exons	457..886		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	33118	Seq. ID	OJ990528_12.0204.C29
Gene No.	68681	Strand	+
Start	1	End	4889
Name	OJ990528_12.0204.C29.o2.np	Method	AAT/NAP
Start	780	End	4889

GI	4680179	Score	438
Exons	780..811, 2211..2948, 4870..4889		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33118	Seq. ID	OJ990528_12.0204.C29
Gene No.	68681	Strand	+
Start	1	End	4889
Name	OJ990528_12.0204.C29.o1.gs	Method	GENSCAN
Start	805	End	3008
GI	none	Score	.83
Exons	805..896, 1152..1183, 2218..3008		

Seq. No.	33118	Seq. ID	OJ990528_12.0204.C29
Gene No.	68681	Strand	+
Start	1	End	4889
Name	OJ990528_12.0204.C29.o3.np	Method	AAT/NAP
Start	2211	End	4889
GI	6063554	Score	197
Exons	2211..2261, 3630..3912, 4031..4259, 4576..4603, 4868..4889		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33118	Seq. ID	OJ990528_12.0204.C29
Gene No.	68681	Strand	+
Start	1	End	4889
Name	OJ990528_12.0204.C29.o4.gp	Method	AAT/GAP
Start	4070	End	4804
GI	101153_1.R1084	Score	580
Exons	4070..4259, 4576..4804		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	33118	Seq. ID	OJ990528_12.0204.C29
Gene No.	68682	Strand	+
Start	4822	End	4889
Name	OJ990528_12.0204.C29.o5.gp	Method	AAT/GAP
Start	4822	End	4889
GI	2428185	Score	136
Exons	4822..4889		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	33118	Seq. ID	OJ990528_12.0204.C29
Gene No.	68683	Strand	-
Start	1414	End	1724
Name	OJ990528_12.0204.C29.o3.gp	Method	AAT/GAP
Start	1414	End	1724
GI	61605_3.R1084	Score	450
Exons	1414..1724		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	33118	Seq. ID	OJ990528_12.0204.C29
Gene No.	68684	Strand	-
Start	3966	End	4479
Name	OJ990528_12.0204.C29.o1.tm	Method	TBLASTX:Maize

Start	2289	End	2600
GI	none	Score	206
Exons	2289..2549, 2303..2464, 2514..2600		

Seq. No.	33118	Seq. ID	OJ990528_12.0204.C29
Gene No.	68684	Strand	-
Start	3966	End	4479
Name	OJ990528_12.0204.C29.o1.tw	Method	TBLASTX:Wheat
Start	2289	End	2583
GI	none	Score	248
Exons	2289..2549, 2303..2479, 2518..2583		

Seq. No.	33118	Seq. ID	OJ990528_12.0204.C29
Gene No.	68684	Strand	-
Start	3966	End	4479
Name	OJ990528_12.0204.C29.o2.gs	Method	GENSCAN
Start	3966	End	4350
GI	none	Score	.92
Exons	3966..4290, 4295..4350		

Seq. No.	33118	Seq. ID	OJ990528_12.0204.C29
Gene No.	68684	Strand	-
Start	3966	End	4479
Name	OJ990528_12.0204.C29.o4.np	Method	AAT/NAP
Start	4040	End	4479
GI	5852180	Score	293
Exons	4040..4479		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	33119	Seq. ID	OJ990528_12.0204.C30
Gene No.	68685	Strand	+
Start	426	End	649
Name	OJ990528_12.0204.C30.o1.gs	Method	GENSCAN
Start	426	End	649
GI	none	Score	.71
Exons	426..649		

Seq. No.	33119	Seq. ID	OJ990528_12.0204.C30
Gene No.	68686	Strand	-
Start	122	End	379
Name	OJ990528_12.0204.C30.o1.gp	Method	AAT/GAP
Start	122	End	379
GI	61605_3.R1084	Score	452
Exons	122..379		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	33120	Seq. ID	OJ990528_12.0204.C31
Gene No.	68687	Strand	-
Start	117	End	1390
Name	OJ990528_12.0204.C31.o1.gs	Method	GENSCAN
Start	117	End	1390
GI	none	Score	.71
Exons	117..311, 832..901, 999..1390		

Seq. No.	33121	Seq. ID	OJ990528_12.0204.C32
Gene No.	68688	Strand	-

Start	250	End	1335
Name	OJ990528_12.0204.C32.o1.gs	Method	GENSCAN
Start	250	End	1335
GI	none	Score	.93
Exons	250..358, 1036..1335		

Seq. No.	33121	Seq. ID	OJ990528_12.0204.C32
Gene No.	68689	Strand	-
Start	1941	End	2863
Name	OJ990528_12.0204.C32.o2.gs	Method	GENSCAN
Start	1941	End	2672
GI	none	Score	.64
Exons	1941..2672		

Seq. No.	33121	Seq. ID	OJ990528_12.0204.C32
Gene No.	68689	Strand	-
Start	1941	End	2863
Name	OJ990528_12.0204.C32.o1.np	Method	AAT/NAP
Start	2163	End	2863
GI	2522230	Score	322
Exons	2163..2863		
GI Descrip.	(AB007467) retrotransposon-like gene; the first amino acid was determined to be leucine [Vicia faba]		

Seq. No.	33121	Seq. ID	OJ990528_12.0204.C32
Gene No.	68690	Strand	-
Start	3139	End	6442
Name	OJ990528_12.0204.C32.o5.tw	Method	TBLASTX:Wheat
Start	2478	End	2833
GI	none	Score	78
Exons	2478..2621, 2479..2586, 2615..2647, 2690..2833		

Seq. No.	33121	Seq. ID	OJ990528_12.0204.C32
Gene No.	68690	Strand	-
Start	3139	End	6442
Name	OJ990528_12.0204.C32.o3.gs	Method	GENSCAN
Start	3139	End	6122
GI	none	Score	.71
Exons	3139..3615, 4464..5129, 5327..5828, 5956..6122		

Seq. No.	33121	Seq. ID	OJ990528_12.0204.C32
Gene No.	68690	Strand	-
Start	3139	End	6442
Name	OJ990528_12.0204.C32.o2.np	Method	AAT/NAP
Start	4332	End	6442
GI	2443320	Score	2963
Exons	4332..6442		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	33121	Seq. ID	OJ990528_12.0204.C32
Gene No.	68690	Strand	-
Start	3139	End	6442
Name	OJ990528_12.0204.C32.o2.tw	Method	TBLASTX:Wheat
Start	4371	End	4859
GI	none	Score	423
Exons	4371..4859, 4372..4854, 4739..4858		

Seq. No.	33121	Seq. ID	OJ990528_12.0204.C32
Gene No.	68690	Strand	-
Start	3139	End	6442
Name	OJ990528_12.0204.C32.o2.tm	Method	TBLASTX:Maize
Start	4383	End	4970
GI	none	Score	99
Exons	4383..4577, 4596..4802, 4851..4970		

Seq. No.	33121	Seq. ID	OJ990528_12.0204.C32
Gene No.	68690	Strand	-
Start	3139	End	6442
Name	OJ990528_12.0204.C32.o2.ts	Method	TBLASTX:Soybean
Start	4467	End	4961
GI	none	Score	220
Exons	4467..4571, 4599..4961		

Seq. No.	33121	Seq. ID	OJ990528_12.0204.C32
Gene No.	68690	Strand	-
Start	3139	End	6442
Name	OJ990528_12.0204.C32.o1.tw	Method	TBLASTX:Wheat
Start	4932	End	5732
GI	none	Score	110
Exons	4932..5132, 4948..5124, 5129..5395, 5130..5387, 5138..5395, 5320..5721, 5381..5728, 5381..5731, 5385..5732		

Seq. No.	33121	Seq. ID	OJ990528_12.0204.C32
Gene No.	68690	Strand	-
Start	3139	End	6442
Name	OJ990528_12.0204.C32.o1.tm	Method	TBLASTX:Maize
Start	5294	End	5726
GI	none	Score	144
Exons	5294..5707, 5382..5726		

Seq. No.	33121	Seq. ID	OJ990528_12.0204.C32
Gene No.	68690	Strand	-
Start	3139	End	6442
Name	OJ990528_12.0204.C32.o1.ts	Method	TBLASTX:Soybean
Start	5408	End	5862
GI	5509260	Score	86
Exons	5408..5797, 5412..5570, 5604..5768, 5803..5862		
GI Descrip.	-		

Seq. No.	33121	Seq. ID	OJ990528_12.0204.C32
Gene No.	68690	Strand	-
Start	3139	End	6442
Name	OJ990528_12.0204.C32.o1.tc	Method	TBLASTX:Cress
Start	5507	End	5771
GI	none	Score	115
Exons	5507..5770, 5595..5771		

Seq. No.	33121	Seq. ID	OJ990528_12.0204.C32
Gene No.	68690	Strand	-
Start	3139	End	6442
Name	OJ990528_12.0204.C32.o4.tw	Method	TBLASTX:Wheat
Start	5733	End	5919
GI	none	Score	53
Exons	5733..5792, 5735..5797, 5803..5919, 5803..5919		

Seq. No.	33121	Seq. ID	OJ990528_12.0204.C32
Gene No.	68690	Strand	-
Start	3139	End	6442
Name	OJ990528_12.0204.C32.o3.tw	Method	TBLASTX:Wheat
Start	6102	End	6372
GI	none	Score	206
Exons	6102..6371, 6106..6372		

Seq. No.	33122	Seq. ID	OJ990528_12.0204.C33
Gene No.	68691	Strand	+
Start	2499	End	3139
Name	OJ990528_12.0204.C33.o2.gs	Method	GENSCAN
Start	2499	End	3139
GI	none	Score	.89
Exons	2499..2508, 2517..2666, 2980..3139		

Seq. No.	33122	Seq. ID	OJ990528_12.0204.C33
Gene No.	68692	Strand	-
Start	1	End	1907
Name	OJ990528_12.0204.C33.o1.np	Method	AAT/NAP
Start	1	End	1907
GI	2443320	Score	2404
Exons	1..1907		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	33122	Seq. ID	OJ990528_12.0204.C33
Gene No.	68692	Strand	-
Start	1	End	1907
Name	OJ990528_12.0204.C33.o1.tw	Method	TBLASTX:Wheat
Start	1	End	611
GI	none	Score	568
Exons	1..582, 3..611, 4..585, 71..595		

Seq. No.	33122	Seq. ID	OJ990528_12.0204.C33
Gene No.	68692	Strand	-
Start	1	End	1907
Name	OJ990528_12.0204.C33.o1.ts	Method	TBLASTX:Soybean
Start	69	End	377
GI	none	Score	96
Exons	69..149, 150..377, 151..375		

Seq. No.	33122	Seq. ID	OJ990528_12.0204.C33
Gene No.	68692	Strand	-
Start	1	End	1907
Name	OJ990528_12.0204.C33.o1.tm	Method	TBLASTX:Maize
Start	165	End	605
GI	none	Score	253
Exons	165..605		

Seq. No.	33122	Seq. ID	OJ990528_12.0204.C33
Gene No.	68692	Strand	-
Start	1	End	1907
Name	OJ990528 12.0204.C33.o1.gs	Method	GENSCAN
Start	252	End	1904
GI	none	Score	.51
Exons	252..544, 1049..1904		

Seq. No.	33122	Seq. ID	OJ990528_12.0204.C33
Gene No.	68692	Strand	-
Start	1	End	1907
Name	OJ990528_12.0204.C33.o2.ts	Method	TBLASTX:Soybean
Start	387	End	770
GI	none	Score	110
Exons	387..611, 636..770		

Seq. No.	33122	Seq. ID	OJ990528_12.0204.C33
Gene No.	68692	Strand	-
Start	1	End	1907
Name	OJ990528_12.0204.C33.o2.tw	Method	TBLASTX:Wheat
Start	612	End	914
GI	none	Score	120
Exons	612..833, 631..777, 641..787, 831..914		

Seq. No.	33122	Seq. ID	OJ990528_12.0204.C33
Gene No.	68692	Strand	-
Start	1	End	1907
Name	OJ990528_12.0204.C33.o3.tw	Method	TBLASTX:Wheat
Start	1363	End	1709
GI	none	Score	69
Exons	1363..1575, 1365..1709		

Seq. No.	33123	Seq. ID	OJ990528_12.0204.C34
Gene No.	68693	Strand	+
Start	1574	End	2039
Name	OJ990528_12.0204.C34.o1.gp	Method	AAT/GAP
Start	1574	End	2039
GI	4879016	Score	684
Exons	1574..2039		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	33123	Seq. ID	OJ990528_12.0204.C34
Gene No.	68694	Strand	-
Start	1	End	1843
Name	OJ990528_12.0204.C34.o1.np	Method	AAT/NAP
Start	1	End	1143
GI	5724774	Score	218
Exons	1..20, 460..1143		
GI Descrip.	(AF160183) contains similarity to retrotransposons; may be a pseudogene [Arabidopsis thaliana]		

Seq. No.	33123	Seq. ID	OJ990528_12.0204.C34
Gene No.	68694	Strand	-
Start	1	End	1843
Name	OJ990528_12.0204.C34.o1.gs	Method	GENSCAN
Start	446	End	1843
GI	none	Score	.73
Exons	446..605, 672..880, 886..1262, 1774..1843		

Seq. No.	33123	Seq. ID	OJ990528_12.0204.C34
Gene No.	68694	Strand	-
Start	1	End	1843

Name	OJ990528_12.0204.C34.o1.tw	Method	TBLASTX:Wheat
Start	539	End	948
GI	none	Score	103
Exons	539..628, 611..727, 730..816, 832..948		

Seq. No.	33124	Seq. ID	OJ990528_12.0204.C35
Gene No.	68695	Strand	-
Start	413	End	1099
Name	OJ990528_12.0204.C35.o1.gs	Method	GENSCAN
Start	413	End	1099
GI	none	Score	.6
Exons	413..558, 593..720, 745..928, 1087..1099		

Seq. No.	33125	Seq. ID	OJ990528_12.0204.C36
Gene No.	68696	Strand	+
Start	797	End	4041
Name	OJ990528_12.0204.C36.o1.np	Method	AAT/NAP
Start	797	End	4041
GI	6498441	Score	3688
Exons	797..1861, 2192..2655, 2719..3092, 3276..3410, 3586..4041		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1 (AE098806) [Oryza sativa]		

Seq. No.	33125	Seq. ID	OJ990528_12.0204.C36
Gene No.	68696	Strand	+
Start	797	End	4041
Name	OJ990528_12.0204.C36.o4.tw	Method	TBLASTX:Wheat
Start	946	End	1338
GI	none	Score	58
Exons	946..993, 1000..1098, 1005..1097, 1065..1304, 1081..1338		

Seq. No.	33125	Seq. ID	OJ990528_12.0204.C36
Gene No.	68696	Strand	+
Start	797	End	4041
Name	OJ990528_12.0204.C36.o3.tm	Method	TBLASTX:Maize
Start	951	End	1236
GI	none	Score	198
Exons	951..1235, 988..1236		

Seq. No.	33125	Seq. ID	OJ990528_12.0204.C36
Gene No.	68696	Strand	+
Start	797	End	4041
Name	OJ990528_12.0204.C36.o3.tw	Method	TBLASTX:Wheat
Start	2076	End	2562
GI	none	Score	412
Exons	2076..2249, 2077..2562, 2271..2531, 2341..2535		

Seq. No.	33125	Seq. ID	OJ990528_12.0204.C36
Gene No.	68696	Strand	+
Start	797	End	4041
Name	OJ990528_12.0204.C36.o1.tw	Method	TBLASTX:Wheat
Start	2726	End	3189
GI	none	Score	199
Exons	2726..3169, 2727..3182, 2728..3189, 2728..3183		

Seq. No.	33125	Seq. ID	OJ990528_12.0204.C36

Gene No.	68696	Strand	+
Start	797	End	4041
Name	OJ990528_12.0204.C36.o2.ts	Method	TBLASTX:Soybean
Start	2767	End	3132
GI	none	Score	116
Exons	2767..2991, 2998..3132		

Seq. No.	33125	Seq. ID	OJ990528_12.0204.C36
Gene No.	68696	Strand	+
Start	797	End	4041
Name	OJ990528_12.0204.C36.o1.tm	Method	TBLASTX:Maize
Start	2857	End	3213
GI	none	Score	392
Exons	2857..3213, 2892..3203, 2908..3213		

Seq. No.	33125	Seq. ID	OJ990528_12.0204.C36
Gene No.	68696	Strand	+
Start	797	End	4041
Name	OJ990528_12.0204.C36.o2.tm	Method	TBLASTX:Maize
Start	3240	End	3625
GI	none	Score	282
Exons	3240..3518, 3241..3519, 3515..3625		

Seq. No.	33125	Seq. ID	OJ990528_12.0204.C36
Gene No.	68696	Strand	+
Start	797	End	4041
Name	OJ990528_12.0204.C36.o2.tw	Method	TBLASTX:Wheat
Start	3297	End	3718
GI	none	Score	272
Exons	3297..3521, 3298..3522, 3512..3718, 3514..3711		

Seq. No.	33125	Seq. ID	OJ990528_12.0204.C36
Gene No.	68696	Strand	+
Start	797	End	4041
Name	OJ990528_12.0204.C36.o1.ts	Method	TBLASTX:Soybean
Start	3376	End	3748
GI	none	Score	155
Exons	3376..3522, 3393..3518, 3566..3748		

Seq. No.	33126	Seq. ID	OJ990528_12.0204.C37
Gene No.	68697	Strand	+
Start	1	End	2026
Name	OJ990528_12.0204.C37.o1.np	Method	AAT/NAP
Start	1	End	2023
GI	6498441	Score	2843
Exons	1..79, 251..1648, 1742..2023		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	33126	Seq. ID	OJ990528_12.0204.C37
Gene No.	68697	Strand	+
Start	1	End	2026
Name	OJ990528 12.0204.C37.o1.gs	Method	GENSCAN
Start	284	End	2026
GI	none	Score	.92
Exons	284..439, 506..2026		

Seq. No.	33126	Seq. ID	OJ990528_12.0204.C37
Gene No.	68698	Strand	+
Start	2192	End	2652
Name	OJ990528_12.0204.C37.o1.gp	Method	AAT/GAP
Start	2192	End	2652
GI	2428323	Score	841
Exons	2192..2652		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	33126	Seq. ID	OJ990528_12.0204.C37
Gene No.	68699	Strand	-
Start	2663	End	5918
Name	OJ990528_12.0204.C37.o2.tw	Method	TBLASTX:Wheat
Start	8	End	385
GI	none	Score	196
Exons	8..202, 16..201, 70..216, 236..385, 245..382, 247..384		

Seq. No.	33126	Seq. ID	OJ990528_12.0204.C37
Gene No.	68699	Strand	-
Start	2663	End	5918
Name	OJ990528_12.0204.C37.o1.tm	Method	TBLASTX:Maize
Start	893	End	1216
GI	none	Score	355
Exons	893..1216, 922..1203		

Seq. No.	33126	Seq. ID	OJ990528_12.0204.C37
Gene No.	68699	Strand	-
Start	2663	End	5918
Name	OJ990528_12.0204.C37.o1.tw	Method	TBLASTX:Wheat
Start	1030	End	1411
GI	none	Score	364
Exons	1030..1086, 1031..1411, 1031..1372, 1132..1380		

Seq. No.	33126	Seq. ID	OJ990528_12.0204.C37
Gene No.	68699	Strand	-
Start	2663	End	5918
Name	OJ990528_12.0204.C37.o3.tw	Method	TBLASTX:Wheat
Start	1412	End	2014
GI	none	Score	257
Exons	1412..1696, 1416..1487, 1417..1515, 1552..1722, 1552..1695, 1888..2010, 1889..2014		

Seq. No.	33126	Seq. ID	OJ990528_12.0204.C37
Gene No.	68699	Strand	-
Start	2663	End	5918
Name	OJ990528_12.0204.C37.o2.tm	Method	TBLASTX:Maize
Start	1883	End	2023
GI	none	Score	183
Exons	1883..2023, 1888..2022		

Seq. No.	33126	Seq. ID	OJ990528_12.0204.C37
Gene No.	68699	Strand	-
Start	2663	End	5918
Name	OJ990528_12.0204.C37.o2.np	Method	AAT/NAP
Start	2663	End	5918

GI	5803259	Score	5156
Exons	2663..4561, 4657..5918		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	33127	Seq. ID	OJ990528_12.0204.C38
Gene No.	68700	Strand	+
Start	1	End	179
Name	OJ990528_12.0204.C38.o1.np	Method	AAT/NAP
Start	1	End	179
GI	5042454	Score	69
Exons	1..179		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	33127	Seq. ID	OJ990528_12.0204.C38
Gene No.	68701	Strand	+
Start	342	End	4561
Name	OJ990528_12.0204.C38.o1.gs	Method	GENSCAN
Start	342	End	4561
GI	none	Score	.57
Exons	342..494, 1179..1280, 1649..1720, 1780..1978, 2173..2286, 3101..3238, 4082..4170, 4310..4561		

Seq. No.	33127	Seq. ID	OJ990528_12.0204.C38
Gene No.	68702	Strand	+
Start	7691	End	8075
Name	OJ990528_12.0204.C38.o3.gs	Method	GENSCAN
Start	7691	End	8075
GI	none	Score	.45
Exons	7691..8021, 8053..8075		

Seq. No.	33127	Seq. ID	OJ990528_12.0204.C38
Gene No.	68703	Strand	-
Start	4749	End	5421
Name	OJ990528_12.0204.C38.o2.gs	Method	GENSCAN
Start	4749	End	5421
GI	none	Score	.98
Exons	4749..5237, 5287..5421		

Seq. No.	33128	Seq. ID	OJ990528_12.0204.C39
Gene No.	68704	Strand	-
Start	1	End	85
Name	OJ990528_12.0204.C39.o1.gp	Method	AAT/GAP
Start	1	End	85
GI	3760640	Score	125
Exons	1..85		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	33129	Seq. ID	OJ990528_12.0204.C41
Gene No.	68705	Strand	-
Start	1	End	505
Name	OJ990528_12.0204.C41.o1.np	Method	AAT/NAP
Start	1	End	505
GI	6907087	Score	319
Exons	1..72, 168..505		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza		

sativa]

Seq. No.	33129	Seq. ID	OJ990528_12.0204.C41
Gene No.	68705	Strand	-
Start	1	End	505
Name	OJ990528_12.0204.C41.o1.gs	Method	GENSCAN
Start	174	End	368
GI	none	Score	.87
Exons	174..368		

Seq. No.	33130	Seq. ID	OJ990528_12.0204.C44
Gene No.	68706	Strand	-
Start	176	End	657
Name	OJ990528_12.0204.C44.o1.gp	Method	AAT/GAP
Start	176	End	657
GI	2981_1.R1084	Score	938
Exons	176..657		
GI Descrip.	'21693/emb|CAA46810| 1.0e-152 (X66012) cathepsin B [Triticum aestivum]'		

Seq. No.	33130	Seq. ID	OJ990528_12.0204.C44
Gene No.	68706	Strand	-
Start	176	End	657
Name	OJ990528_12.0204.C44.o1.np	Method	AAT/NAP
Start	532	End	657
GI	21699	Score	142
Exons	532..657		
GI Descrip.	(X66013) cathepsin B [Triticum aestivum]		

Seq. No.	33130	Seq. ID	OJ990528_12.0204.C44
Gene No.	68707	Strand	-
Start	571	End	657
Name	OJ990528_12.0204.C44.o1.gs	Method	GENSCAN
Start	571	End	657
GI	none	Score	.42
Exons	571..657		

Seq. No.	33131	Seq. ID	OJ990528_12.0204.C45
Gene No.	68708	Strand	+
Start	91	End	947
Name	OJ990528_12.0204.C45.o1.np	Method	AAT/NAP
Start	91	End	947
GI	5922623	Score	230
Exons	91..171, 548..704, 870..947		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	33131	Seq. ID	OJ990528_12.0204.C45
Gene No.	68709	Strand	-
Start	88	End	617
Name	OJ990528_12.0204.C45.o1.gs	Method	GENSCAN
Start	88	End	617
GI	none	Score	.89
Exons	88..294, 531..617		

Seq. No.	33132	Seq. ID	OJ990528_12.0204.C46

Gene No.	68710	Strand	-
Start	49	End	617
Name	OJ990528_12.0204.C46.o1.gp	Method	AAT/GAP
Start	49	End	617
GI	4879016	Score	820
Exons	49..617		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	33133	Seq. ID	OJ990528_12.0204.C47
Gene No.	68711	Strand	+
Start	1	End	681
Name	OJ990528_12.0204.C47.o1.np	Method	AAT/NAP
Start	1	End	681
GI	4680203	Score	649
Exons	1..681		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33133	Seq. ID	OJ990528_12.0204.C47
Gene No.	68711	Strand	+
Start	1	End	681
Name	OJ990528_12.0204.C47.o1.tc	Method	TBLASTX:Cress
Start	66	End	387
GI	none	Score	114
Exons	66..212, 80..160, 228..386, 229..387		

Seq. No.	33133	Seq. ID	OJ990528_12.0204.C47
Gene No.	68711	Strand	+
Start	1	End	681
Name	OJ990528_12.0204.C47.o1.tw	Method	TBLASTX:Wheat
Start	138	End	604
GI	none	Score	63
Exons	138..194, 171..290, 211..297, 304..399, 306..407, 410..604, 444..599		

Seq. No.	33133	Seq. ID	OJ990528_12.0204.C47
Gene No.	68711	Strand	+
Start	1	End	681
Name	OJ990528_12.0204.C47.o1.tm	Method	TBLASTX:Maize
Start	211	End	638
GI	none	Score	168
Exons	211..399, 249..383, 402..437, 419..637, 444..638		

Seq. No.	33133	Seq. ID	OJ990528_12.0204.C47
Gene No.	68711	Strand	+
Start	1	End	681
Name	OJ990528_12.0204.C47.o1.gs	Method	GENSCAN
Start	318	End	597
GI	none	Score	.41
Exons	318..597		

Seq. No.	33133	Seq. ID	OJ990528_12.0204.C47
Gene No.	68711	Strand	+
Start	1	End	681
Name	OJ990528_12.0204.C47.o1.ts	Method	TBLASTX:Soybean
Start	473	End	677

GI	none	Score	187
Exons	473..628, 474..677, 498..641		

Seq. No.	33134	Seq. ID	OJ990528_12.0204.C48
Gene No.	68712	Strand	+
Start	1	End	1204
Name	OJ990528_12.0204.C48.o1.np	Method	AAT/NAP
Start	1	End	1204
GI	4733937	Score	182
Exons	1..293, 1077..1204		
GI Descrip.	(AF080245) sesquiterpene synthase [Elaeis oleifera]		

Seq. No.	33134	Seq. ID	OJ990528_12.0204.C48
Gene No.	68712	Strand	+
Start	1	End	1204
Name	OJ990528_12.0204.C48.o1.gs	Method	GENSCAN
Start	63	End	303
GI	none	Score	.53
Exons	63..303		

Seq. No.	33134	Seq. ID	OJ990528_12.0204.C48
Gene No.	68712	Strand	+
Start	1	End	1204
Name	OJ990528_12.0204.C48.o2.gp	Method	AAT/GAP
Start	507	End	962
GI	LIB3432-059-P1-K1-D8	Score	763
Exons	507..962		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	33134	Seq. ID	OJ990528_12.0204.C48
Gene No.	68713	Strand	-
Start	359	End	471
Name	OJ990528_12.0204.C48.o1.gp	Method	AAT/GAP
Start	359	End	471
GI	LIB3477-003-P1-K1-E9	Score	146
Exons	359..471		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	33135	Seq. ID	OJ990528_12.0204.C49
Gene No.	68714	Strand	+
Start	1	End	485
Name	OJ990528_12.0204.C49.o1.np	Method	AAT/NAP
Start	1	End	470
GI	3776563	Score	199
Exons	1..470		
GI Descrip.	(AC005388) Strong similarity to gb|L04680 5-epi-aristolochene synthase from Nicotiana tabacum and delta cadinene syntase gb|U88318 from Gosssypium hirsutum. [Arabidopsis thaliana]		

Seq. No.	33135	Seq. ID	OJ990528_12.0204.C49
Gene No.	68714	Strand	+
Start	1	End	485
Name	OJ990528_12.0204.C49.o1.gs	Method	GENSCAN
Start	51	End	485

GI	none	Score	.71
Exons	51..485		

Seq. No.	33135	Seq. ID	OJ990528_12.0204.C49
Gene No.	68714	Strand	+
Start	1	End	485
Name	OJ990528_12.0204.C49.o1.tc	Method	TBLASTX:Cress
Start	65	End	449
GI	none	Score	207
Exons	65..226, 66..449		

Seq. No.	33135	Seq. ID	OJ990528_12.0204.C49
Gene No.	68714	Strand	+
Start	1	End	485
Name	OJ990528_12.0204.C49.o1.tm	Method	TBLASTX:Maize
Start	161	End	443
GI	none	Score	214
Exons	161..442, 168..443		

Seq. No.	33136	Seq. ID	OJ990528_12.0204.C50
Gene No.	68715	Strand	-
Start	1594	End	2034
Name	OJ990528_12.0204.C50.o1.gs	Method	GENSCAN
Start	1594	End	2034
GI	none	Score	.45
Exons	1594..2034		

Seq. No.	33137	Seq. ID	OJ990528_12.0204.C51
Gene No.	68716	Strand	+
Start	1	End	6061
Name	OJ990528_12.0204.C51.o2.np	Method	AAT/NAP
Start	1	End	6061
GI	4544372	Score	451
Exons	1..194, 4513..5274, 6011..6061		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	33137	Seq. ID	OJ990528_12.0204.C51
Gene No.	68716	Strand	+
Start	1	End	6061
Name	OJ990528_12.0204.C51.o1.gs	Method	GENSCAN
Start	821	End	5376
GI	none	Score	.41
Exons	821..960, 1740..1875, 3928..4522, 4811..5376		

Seq. No.	33137	Seq. ID	OJ990528_12.0204.C51
Gene No.	68716	Strand	+
Start	1	End	6061
Name	OJ990528_12.0204.C51.o1.np	Method	AAT/NAP
Start	4513	End	6061
GI	4544372	Score	446
Exons	4513..5274, 6011..6061		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	33137	Seq. ID	OJ990528_12.0204.C51
Gene No.	68717	Strand	-

Start	5861	End	5980
Name	OJ990528_12.0204.C51.o3.tm	Method	TBLASTX:Maize
Start	743	End	4131
GI	none	Score	205
Exons	743..961, 743..970, 1743..1868, 1744..1872, 3928..4131, 3948..4112		

Seq. No.	33137	Seq. ID	OJ990528_12.0204.C51
Gene No.	68717	Strand	-
Start	5861	End	5980
Name	OJ990528_12.0204.C51.o1.ts	Method	TBLASTX:Soybean
Start	4627	End	4992
GI	none	Score	133
Exons	4627..4851, 4858..4992		

Seq. No.	33137	Seq. ID	OJ990528_12.0204.C51
Gene No.	68717	Strand	-
Start	5861	End	5980
Name	OJ990528_12.0204.C51.o1.tw	Method	TBLASTX:Wheat
Start	4789	End	5193
GI	none	Score	81
Exons	4789..4845, 4794..4835, 4840..5193, 4848..5150, 4852..5193		

Seq. No.	33137	Seq. ID	OJ990528_12.0204.C51
Gene No.	68717	Strand	-
Start	5861	End	5980
Name	OJ990528_12.0204.C51.o1.tm	Method	TBLASTX:Maize
Start	4843	End	5108
GI	none	Score	351
Exons	4843..5106, 4843..5094, 4848..5108		

Seq. No.	33137	Seq. ID	OJ990528_12.0204.C51
Gene No.	68717	Strand	-
Start	5861	End	5980
Name	OJ990528_12.0204.C51.o2.tm	Method	TBLASTX:Maize
Start	5110	End	5271
GI	none	Score	208
Exons	5110..5271, 5110..5268, 5211..5270		

Seq. No.	33137	Seq. ID	OJ990528_12.0204.C51
Gene No.	68717	Strand	-
Start	5861	End	5980
Name	OJ990528_12.0204.C51.o2.ts	Method	TBLASTX:Soybean
Start	5319	End	5549
GI	none	Score	85
Exons	5319..5414, 5412..5480, 5413..5547, 5517..5549		

Seq. No.	33137	Seq. ID	OJ990528_12.0204.C51
Gene No.	68717	Strand	-
Start	5861	End	5980
Name	OJ990528_12.0204.C51.o2.gs	Method	GENSCAN
Start	5861	End	5980
GI	none	Score	.81
Exons	5861..5980		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68718	Strand	+

Start	4107	End	7133
Name	OJ990528_12.0204.C52.o2.gs	Method	GENSCAN
Start	4107	End	7133
GI	none	Score	.62
Exons	4107..4174, 5015..5140, 5170..5316, 6079..6243, 6281..6458, 6573..7133		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68719	Strand	+
Start	8563	End	12852
Name	OJ990528_12.0204.C52.o1.gp	Method	AAT/GAP
Start	8260	End	12440
GI	2981_1.R1084	Score	2665
Exons	8260..8281, 8462..8616, 9723..9797, 9891..9971, 10107..10265, 10478..10555, 10661..10786, 10933..11151, 11622..11735, 11827..11862, 11959..12440		
GI Descrip.	'21693/emb|CAA46810| 1.0e-152 (X66012) cathepsin B [Triticum aestivum]'		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68719	Strand	+
Start	8563	End	12852
Name	OJ990528_12.0204.C52.o3.gs	Method	GENSCAN
Start	8563	End	12852
GI	none	Score	.84
Exons	8563..8616, 10661..10786, 10933..11151, 11622..11735, 11827..11862, 11959..12022, 12435..12613, 12667..12852		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68719	Strand	+
Start	8563	End	12852
Name	OJ990528_12.0204.C52.o1.np	Method	AAT/NAP
Start	9897	End	12066
GI	21693	Score	1247
Exons	9897..9971, 10107..10263, 10476..10555, 10661..10786, 10933..11151, 11622..11735, 11827..11862, 11959..12066		
GI Descrip.	(X66012) cathepsin B [Triticum aestivum]		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68720	Strand	+
Start	16016	End	16238
Name	OJ990528_12.0204.C52.o3.np	Method	AAT/NAP
Start	16016	End	16238
GI	5295951	Score	200
Exons	16016..16238		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68721	Strand	+
Start	19318	End	34361
Name	OJ990528_12.0204.C52.o4.np	Method	AAT/NAP
Start	19318	End	25219
GI	4567249	Score	795
Exons	19318..19373, 20620..20700, 20778..20846, 21546..21656, 23287..23538, 24837..25011, 25097..25219		
GI Descrip.	(AC007070) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68721	Strand	+
Start	19318	End	34361
Name	OJ990528_12.0204.C52.o6.gs	Method	GENSCAN
Start	22793	End	27571
GI	none	Score	.6
Exons	22793..22866, 24837..25011, 25097..25248, 27373..27571		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68721	Strand	+
Start	19318	End	34361
Name	OJ990528_12.0204.C52.o6.gp	Method	AAT/GAP
Start	23539	End	23903
GI	2312231	Score	576
Exons	23539..23903		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68721	Strand	+
Start	19318	End	34361
Name	OJ990528_12.0204.C52.o5.np	Method	AAT/NAP
Start	27457	End	29900
GI	3402684	Score	102
Exons	27457..27615, 29831..29900		
GI Descrip.	(AC004697) nodulin-like protein [Arabidopsis thaliana]		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68721	Strand	+
Start	19318	End	34361
Name	OJ990528_12.0204.C52.o7.gs	Method	GENSCAN
Start	28231	End	34361
GI	none	Score	.81
Exons	28231..28243, 28296..28467, 28730..28793, 28914..28953, 30012..30205, 30474..30642, 30898..31202, 31654..31840, 31951..32104, 32474..32536, 32629..32725, 32829..32909, 33608..33783, 34304..34361		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68721	Strand	+
Start	19318	End	34361
Name	OJ990528_12.0204.C52.o7.gp	Method	AAT/GAP
Start	28385	End	30618
GI	44408.1.R1084	Score	1186
Exons	28385..28430, 28729..28793, 28914..28953, 29331..29554, 29963..30205, 30474..30618		
GI Descrip.	'2506139/sp|P49661|COPD_ORYSA 3.0e-79 COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) >gi_1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]'		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68721	Strand	+
Start	19318	End	34361
Name	OJ990528_12.0204.C52.o6.np	Method	AAT/NAP
Start	28911	End	32915
GI	2506139	Score	1872
Exons	28911..28953, 29331..29554, 29963..30205, 30474..30642,		

30892..31202, 31654..31840, 31951..32104, 32474..32536, 32629..32725, 32829..32915

GI Descrip. COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) gi|1314049|emb|CAA91901| (Z67962) archain/delta-COP [Oryza sativa]

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68721	Strand	+
Start	19318	End	34361
Name	OJ990528_12.0204.C52.o8.gp	Method	AAT/GAP
Start	30898	End	32088
GI	22086_1.R1084	Score	1170
Exons	30898..31202, 31654..31840, 31951..32088		
GI Descrip.	'2506139/sp|P49661|COPD_ORYSA 3.0e-09 COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) >gi_1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]'		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68721	Strand	+
Start	19318	End	34361
Name	OJ990528_12.0204.C52.o9.gp	Method	AAT/GAP
Start	31075	End	32539
GI	22086_1.R1084	Score	915
Exons	31075..31202, 31654..31840, 31951..32104, 32474..32539		
GI Descrip.	'2506139/sp|P49661|COPD_ORYSA 3.0e-09 COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) >gi_1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]'		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68721	Strand	+
Start	19318	End	34361
Name	OJ990528_12.0204.C52.o11.gp	Method	AAT/GAP
Start	31646	End	33110
GI	22086_1.R1084	Score	1170
Exons	31646..31840, 31951..32104, 32474..32536, 32629..32725, 32829..33110		
GI Descrip.	'2506139/sp|P49661|COPD_ORYSA 3.0e-09 COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) >gi_1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]'		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68721	Strand	+
Start	19318	End	34361
Name	OJ990528_12.0204.C52.o10.gp	Method	AAT/GAP
Start	31648	End	33018
GI	22086_1.R1084	Score	1036
Exons	31648..31840, 31951..32104, 32474..32536, 32629..32725, 32829..33018		
GI Descrip.	'2506139/sp|P49661|COPD_ORYSA 3.0e-09 COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) >gi 1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]'		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52

Gene No.	68721	Strand	+
Start	19318	End	34361
Name	OJ990528_12.0204.C52.o12.gp	Method	AAT/GAP
Start	32800	End	33143
GI	2280555	Score	623
Exons	32800..33143		
GI Descrip.	2506139/sp|P49661|COPD_ORYSA 3.0e-09 COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) >gi_1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68722	Strand	-
Start	12593	End	18815
Name	OJ990528_12.0204.C52.o2.gp	Method	AAT/GAP
Start	12593	End	13342
GI	none	Score	1392
Exons	12593..13342		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68722	Strand	-
Start	12593	End	18815
Name	OJ990528_12.0204.C52.o4.gs	Method	GENSCAN
Start	12921	End	18815
GI	none	Score	.81
Exons	12921..13669, 14720..14894, 15972..16269, 17133..17264, 17529..17693, 17830..18335, 18537..18815		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68722	Strand	-
Start	12593	End	18815
Name	OJ990528_12.0204.C52.o2.np	Method	AAT/NAP
Start	12999	End	14813
GI	6957733	Score	679
Exons	12999..13669, 14720..14813		
GI Descrip.	(AC021640) unknown protein [Arabidopsis thaliana]		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68722	Strand	-
Start	12593	End	18815
Name	OJ990528_12.0204.C52.o3.gp	Method	AAT/GAP
Start	13363	End	15078
GI	none	Score	1251
Exons	13363..13669, 14720..15078		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68723	Strand	-
Start	34996	End	35162
Name	OJ990528_12.0204.C52.o5.tm	Method	TBLASTX:Maize
Start	3070	End	3368
GI	none	Score	68
Exons	3070..3147, 3074..3154, 3153..3368, 3170..3367		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68723	Strand	-
Start	34996	End	35162
Name	OJ990528_12.0204.C52.o3.tm	Method	TBLASTX:Maize

Start	9870	End	12134
GI	none	Score	134
Exons	9870..9974, 9889..9969, 9890..9970, 10106..10261, 10107..10295, 10110..10262, 10478..10555, 10480..10599, 10659..10784, 10660..10779, 10663..10800, 10665..10805, 10930..11151, 10931..11152, 10932..11153, 10938..11153, 11613..11741, 11613..11735, 11621..11737, 11826..11891, 11827..11862, 11956..12078, 11958..12080, 11959..12072, 12108..12134		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68723	Strand	-
Start	34996	End	35162
Name	OJ990528_12.0204.C52.o3.ts	Method	TBLASTX:Soybean
Start	9888	End	12051
GI	none	Score	102
Exons	9888..9974, 10109..10258, 10113..10262, 10477..10548, 10478..10555, 10480..10599, 10651..10779, 10660..10800, 10733..10786, 10752..10811, 10930..11151, 10932..11153, 11613..11741, 11621..11743, 11621..11737, 11825..11863, 11826..11861, 11827..11862, 11827..11868, 11956..12024, 11958..12050, 11959..12051		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68723	Strand	-
Start	34996	End	35162
Name	OJ990528_12.0204.C52.o4.tc	Method	TBLASTX:Cress
Start	10690	End	11082
GI	none	Score	75
Exons	10690..10800, 10733..10786, 10930..11082, 10930..11061, 10932..11081		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68723	Strand	-
Start	34996	End	35162
Name	OJ990528_12.0204.C52.o1.tw	Method	TBLASTX:Wheat
Start	10930	End	11123
GI	none	Score	329
Exons	10930..11121, 10931..11122, 10932..11123		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68723	Strand	-
Start	34996	End	35162
Name	OJ990528_12.0204.C52.o3.tc	Method	TBLASTX:Cress
Start	11085	End	12051
GI	none	Score	105
Exons	11085..11153, 11086..11151, 11613..11741, 11620..11748, 11621..11740, 11827..11862, 11827..11862, 11956..12024, 11958..12050, 11959..12051		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68723	Strand	-
Start	34996	End	35162
Name	OJ990528_12.0204.C52.o2.tw	Method	TBLASTX:Wheat
Start	11696	End	12045
GI	none	Score	72
Exons	11696..11743, 11698..11748, 11698..11742, 11826..11861, 11827..11862, 11827..11862, 11956..12042, 11958..12044,		

11959..12045

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68723	Strand	-
Start	34996	End	35162
Name	OJ990528_12.0204.C52.o1.ts	Method	TBLASTX:Soybean
Start	13014	End	14855
GI	none	Score	258
Exons	13014..13205, 13266..13583, 13563..13622, 13629..13670,	13270..13515, 14718..14855	13561..13623,

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68723	Strand	-
Start	34996	End	35162
Name	OJ990528_12.0204.C52.o1.tm	Method	TBLASTX:Maize
Start	13051	End	14816
GI	none	Score	767
Exons	13051..13671, 13052..13162, 14718..14816, 14718..14816	13053..13670,	13078..13671,

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68723	Strand	-
Start	34996	End	35162
Name	OJ990528_12.0204.C52.o1.tc	Method	TBLASTX:Cress
Start	13185	End	14819
GI	none	Score	213
Exons	13185..13247, 13261..13548, 13570..13671, 14718..14819	13263..13547,	13548..13670,

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68723	Strand	-
Start	34996	End	35162
Name	OJ990528_12.0204.C52.o4.tm	Method	TBLASTX:Maize
Start	19269	End	25234
GI	none	Score	70
Exons	19269..19346, 19328..19372, 20603..20701, 20608..20709, 20778..20846, 20778..20846, 21543..21680, 21546..21653, 23441..23557, 23441..23539, 25082..25234, 25096..25152	19330..19368, 20617..20730, 20779..20865, 21547..21657, 24834..25007,	20582..20695, 20777..20845, 21538..21678, 23395..23532, 24835..24996,

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68723	Strand	-
Start	34996	End	35162
Name	OJ990528_12.0204.C52.o3.tw	Method	TBLASTX:Wheat
Start	19328	End	21630
GI	none	Score	76
Exons	19328..19372, 19330..19374, 20614..20709, 20777..20845, 20779..20859, 21538..21627, 21547..21630	20592..20678, 20778..20846, 21543..21629,	20603..20701, 20778..20846, 21546..21629,

Seq. No.	33138	Seq. ID	OJ990528 12.0204.C52
Gene No.	68723	Strand	-
Start	34996	End	35162
Name	OJ990528_12.0204.C52.o4.ts	Method	TBLASTX:Soybean

Start	23452	End	25216
GI	none	Score	137
Exons	23452..23538, 23453..23539, 24835..24996, 24837..25007, 24844..25014, 25082..25216, 25096..25152		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68723	Strand	-
Start	34996	End	35162
Name	OJ990528_12.0204.C52.o2.tc	Method	TBLASTX:Cress
Start	29300	End	32858
GI	none	Score	323
Exons	29300..29557, 29334..29570, 29335..29505, 29342..29572, 29957..30196, 29963..30208, 30900..30965, 30968..31030, 30969..31061, 31038..31205, 31062..31208, 31650..31775, 31672..31776, 31759..31839, 31893..32105, 31940..32107, 31953..32102, 31955..32116, 32465..32536, 32469..32534, 32639..32728, 32641..32727, 32823..32858		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68723	Strand	-
Start	34996	End	35162
Name	OJ990528_12.0204.C52.o2.tm	Method	TBLASTX:Maize
Start	29300	End	32920
GI	none	Score	378
Exons	29300..29557, 29329..29505, 29342..29557, 29962..30204, 29963..30208, 29963..30262, 30468..30641, 30469..30639, 30513..30644, 30884..31201, 30884..31072, 30897..31205, 30900..31202, 30943..31212, 31647..31838, 31653..31838, 31654..31839, 31937..32116, 31950..32105, 32465..32536, 32469..32534, 32479..32535, 32623..32727, 32624..32731, 32627..32728, 32808..32918, 32823..32918, 32828..32920		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68723	Strand	-
Start	34996	End	35162
Name	OJ990528_12.0204.C52.o2.ts	Method	TBLASTX:Soybean
Start	29300	End	30995
GI	none	Score	355
Exons	29300..29557, 29332..29502, 29342..29557, 29358..29561, 29957..30196, 29963..30208, 30884..30994, 30897..30995		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68723	Strand	-
Start	34996	End	35162
Name	OJ990528_12.0204.C52.o5.ts	Method	TBLASTX:Soybean
Start	30995	End	32072
GI	none	Score	61
Exons	30995..31054, 30996..31055, 31041..31205, 31047..31202, 31654..31776, 31680..31775, 31888..32043, 31893..32072, 31899..32069, 31943..32071		

Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68723	Strand	-
Start	34996	End	35162
Name	OJ990528_12.0204.C52.o6.ts	Method	TBLASTX:Soybean
Start	32465	End	32918
GI	none	Score	102

Exons	32465..32536, 32469..32534, 32620..32733, 32627..32737, 32724..32750, 32823..32918		
Seq. No.	33138	Seq. ID	OJ990528_12.0204.C52
Gene No.	68723	Strand	-
Start	34996	End	35162
Name	OJ990528_12.0204.C52.o8.gs	Method	GENSCAN
Start	34996	End	35162
GI	none	Score	.57
Exons	34996..35162		
Seq. No.	33139	Seq. ID	OJ990528_12.0204.C53
Gene No.	68724	Strand	+
Start	1	End	776
Name	OJ990528_12.0204.C53.o1.np	Method	AAT/NAP
Start	1	End	776
GI	2506139	Score	403
Exons	1..185, 295..551, 724..776		
GI Descrip.	COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) gi|1314049|emb|CAA91901| (Z67962) archain/delta-COP [Oryza sativa]		
Seq. No.	33139	Seq. ID	OJ990528_12.0204.C53
Gene No.	68724	Strand	+
Start	1	End	776
Name	OJ990528_12.0204.C53.o1.gp	Method	AAT/GAP
Start	60	End	486
GI	22086_1.R1084	Score	436
Exons	60..185, 295..486		
GI Descrip.	'2506139/sp|P49661|COPD_ORYSA 3.0e-09 COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) >gi_1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]'		
Seq. No.	33139	Seq. ID	OJ990528_12.0204.C53
Gene No.	68724	Strand	+
Start	1	End	776
Name	OJ990528_12.0204.C53.o1.tm	Method	TBLASTX:Maize
Start	61	End	460
GI	none	Score	214
Exons	61..183, 62..184, 281..460, 294..449		
Seq. No.	33139	Seq. ID	OJ990528_12.0204.C53
Gene No.	68724	Strand	+
Start	1	End	776
Name	OJ990528_12.0204.C53.o1.tc	Method	TBLASTX:Cress
Start	62	End	460
GI	none	Score	68
Exons	62..121, 104..184, 294..449, 297..446, 299..460		
Seq. No.	33139	Seq. ID	OJ990528_12.0204.C53
Gene No.	68724	Strand	+
Start	1	End	776
Name	OJ990528_12.0204.C53.o1.ts	Method	TBLASTX:Soybean
Start	77	End	451
GI	none	Score	62
Exons	77..121, 88..120, 134..184, 294..317, 321..449, 323..451,		

326..451

Seq. No.	33139	Seq. ID	OJ990528_12.0204.C53
Gene No.	68724	Strand	+
Start	1	End	776
Name	OJ990528_12.0204.C53.o1.gs	Method	GENSCAN
Start	295	End	452
GI	none	Score	.84
Exons	295..452		

Seq. No.	33140	Seq. ID	OJ990528_12.0204.C55
Gene No.	68725	Strand	+
Start	128	End	811
Name	OJ990528_12.0204.C55.o1.gs	Method	GENSCAN
Start	128	End	811
GI	none	Score	.66
Exons	128..601, 638..811		

Seq. No.	33141	Seq. ID	OJ990528_12.0204.C56
Gene No.	68726	Strand	-
Start	400	End	762
Name	OJ990528_12.0204.C56.o1.gs	Method	GENSCAN
Start	400	End	762
GI	none	Score	.61
Exons	400..640, 647..762		

Seq. No.	33142	Seq. ID	OJ990528_12.0204.C58
Gene No.	68727	Strand	+
Start	84	End	280
Name	OJ990528_12.0204.C58.o1.gs	Method	GENSCAN
Start	84	End	280
GI	none	Score	.6
Exons	84..280		

Seq. No.	33143	Seq. ID	OJ990528_12.0204.C59
Gene No.	68728	Strand	-
Start	1	End	787
Name	OJ990528_12.0204.C59.o1.np	Method	AAT/NAP
Start	1	End	787
GI	21693	Score	355
Exons	1..110, 581..787		
GI Descrip.	(X66012) cathepsin B [Triticum aestivum]		

Seq. No.	33143	Seq. ID	OJ990528_12.0204.C59
Gene No.	68728	Strand	-
Start	1	End	787
Name	OJ990528_12.0204.C59.o1.gp	Method	AAT/GAP
Start	224	End	627
GI	LIB3433-034-P1-K1-B6	Score	760
Exons	224..627		
GI Descrip.	'21698/emb|X66013|TACATHBG 1.0e-13 T.aestivum gene for cathepsin B (A116)'		

Seq. No.	33143	Seq. ID	OJ990528_12.0204.C59
Gene No.	68729	Strand	-
Start	701	End	787
Name	OJ990528_12.0204.C59.o1.ts	Method	TBLASTX:Soybean

Start	65	End	787
GI	none	Score	57
Exons	65..112, 66..119, 67..111, 579..785, 581..787		

Seq. No.	33143	Seq. ID	OJ990528_12.0204.C59
Gene No.	68729	Strand	-
Start	701	End	787
Name	OJ990528_12.0204.C59.o1.tm	Method	TBLASTX:Maize
Start	66	End	787
GI	none	Score	81
Exons	66..119, 67..111, 579..779, 579..776, 581..787, 581..787		

Seq. No.	33143	Seq. ID	OJ990528_12.0204.C59
Gene No.	68729	Strand	-
Start	701	End	787
Name	OJ990528_12.0204.C59.o1.tc	Method	TBLASTX:Cress
Start	66	End	787
GI	none	Score	57
Exons	66..119, 67..111, 579..764, 579..758, 581..787, 581..787		

Seq. No.	33143	Seq. ID	OJ990528_12.0204.C59
Gene No.	68729	Strand	-
Start	701	End	787
Name	OJ990528_12.0204.C59.o1.tw	Method	TBLASTX:Wheat
Start	609	End	787
GI	none	Score	215
Exons	609..785, 610..786, 611..787		

Seq. No.	33143	Seq. ID	OJ990528_12.0204.C59
Gene No.	68729	Strand	-
Start	701	End	787
Name	OJ990528_12.0204.C59.o1.gs	Method	GENSCAN
Start	701	End	761
GI	none	Score	.42
Exons	701..761		

Seq. No.	33144	Seq. ID	OJ990528_12.0204.C63
Gene No.	68730	Strand	-
Start	363	End	521
Name	OJ990528_12.0204.C63.o1.gs	Method	GENSCAN
Start	363	End	521
GI	none	Score	.83
Exons	363..521		

Seq. No.	33145	Seq. ID	OJ990528_12.0204.C64
Gene No.	68731	Strand	-
Start	1	End	762
Name	OJ990528_12.0204.C64.o1.np	Method	AAT/NAP
Start	1	End	762
GI	3970689	Score	89
Exons	1..74, 342..546, 738..762		
GI Descrip.	(Y18484) (+)-delta-cadinene synthase [Gossypium arboreum]		

Seq. No.	33146	Seq. ID	OJ990708_07.0204.C1
Gene No.	68732	Strand	+
Start	1253	End	2386
Name	OJ990708_07.0204.C1.o1.gs	Method	GENSCAN

Start	1253	End	2386
GI	none	Score	.99
Exons	1253..2386		

Seq. No.	33146	Seq. ID	OJ990708_07.0204.C1
Gene No.	68733	Strand	+
Start	3386	End	3968
Name	OJ990708_07.0204.C1.o2.gs	Method	GENSCAN
Start	3386	End	3968
GI	none	Score	.78
Exons	3386..3509, 3832..3968		

Seq. No.	33147	Seq. ID	OJ990708_07.0204.C2
Gene No.	68734	Strand	+
Start	4628	End	8582
Name	OJ990708_07.0204.C2.o2.np	Method	AAT/NAP
Start	4628	End	8582
GI	5295955	Score	493
Exons	4628..4766, 5868..6003, 6542..6655, 7337..7502, 7534..7641, 7690..7829, 7908..7987, 8027..8582		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	33147	Seq. ID	OJ990708_07.0204.C2
Gene No.	68735	Strand	-
Start	385	End	9467
Name	OJ990708_07.0204.C2.o1.gs	Method	GENSCAN
Start	385	End	9467
GI	none	Score	.5
Exons	385..4935, 7747..7832, 7924..8038, 8459..8509, 9379..9467		

Seq. No.	33147	Seq. ID	OJ990708_07.0204.C2
Gene No.	68735	Strand	-
Start	385	End	9467
Name	OJ990708_07.0204.C2.o1.np	Method	AAT/NAP
Start	388	End	4935
GI	4680179	Score	6764
Exons	388..4935		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33147	Seq. ID	OJ990708_07.0204.C2
Gene No.	68735	Strand	-
Start	385	End	9467
Name	OJ990708_07.0204.C2.o7.tm	Method	TBLASTX:Maize
Start	412	End	624
GI	none	Score	206
Exons	412..624		

Seq. No.	33147	Seq. ID	OJ990708_07.0204.C2
Gene No.	68735	Strand	-
Start	385	End	9467
Name	OJ990708_07.0204.C2.o6.tw	Method	TBLASTX:Wheat
Start	433	End	766
GI	none	Score	107
Exons	433..765, 434..766		

Seq. No.	33147	Seq. ID	OJ990708_07.0204.C2

Gene No.	68735	Strand	-
Start	385	End	9467
Name	OJ990708_07.0204.C2.o1.tm	Method	TBLASTX:Maize
Start	625	End	1212
GI	none	Score	162
Exons	625..1053, 626..886, 956..1048, 1051..1212, 1058..1204, 1060..1206		

Seq. No.	33147	Seq. ID	OJ990708_07.0204.C2
Gene No.	68735	Strand	-
Start	385	End	9467
Name	OJ990708_07.0204.C2.o1.tw	Method	TBLASTX:Wheat
Start	766	End	1392
GI	none	Score	379
Exons	766..1392, 767..1390		

Seq. No.	33147	Seq. ID	OJ990708_07.0204.C2
Gene No.	68735	Strand	-
Start	385	End	9467
Name	OJ990708_07.0204.C2.o4.tm	Method	TBLASTX:Maize
Start	1261	End	1552
GI	none	Score	257
Exons	1261..1551, 1265..1552		

Seq. No.	33147	Seq. ID	OJ990708_07.0204.C2
Gene No.	68735	Strand	-
Start	385	End	9467
Name	OJ990708_07.0204.C2.o2.ts	Method	TBLASTX:Soybean
Start	1351	End	1611
GI	none	Score	164
Exons	1351..1611, 1352..1606		

Seq. No.	33147	Seq. ID	OJ990708_07.0204.C2
Gene No.	68735	Strand	-
Start	385	End	9467
Name	OJ990708_07.0204.C2.o1.tc	Method	TBLASTX:Cress
Start	1375	End	1692
GI	none	Score	92
Exons	1375..1518, 1376..1516, 1519..1692		

Seq. No.	33147	Seq. ID	OJ990708_07.0204.C2
Gene No.	68735	Strand	-
Start	385	End	9467
Name	OJ990708_07.0204.C2.o3.tw	Method	TBLASTX:Wheat
Start	1399	End	1878
GI	none	Score	261
Exons	1399..1878, 1400..1654, 1435..1845		

Seq. No.	33147	Seq. ID	OJ990708_07.0204.C2
Gene No.	68735	Strand	-
Start	385	End	9467
Name	OJ990708_07.0204.C2.o2.tw	Method	TBLASTX:Wheat
Start	1882	End	2391
GI	none	Score	262
Exons	1882..2391, 1969..2349, 1973..2383		

Seq. No.	33147	Seq. ID	OJ990708_07.0204.C2

Gene No.	68735	Strand	-
Start	385	End	9467
Name	OJ990708_07.0204.C2.o2.tm	Method	TBLASTX:Maize
Start	1956	End	2319
GI	none	Score	238
Exons	1956..2279, 1966..2319, 1973..2317		

Seq. No.	33147	Seq. ID	OJ990708_07.0204.C2
Gene No.	68735	Strand	-
Start	385	End	9467
Name	OJ990708_07.0204.C2.o3.ts	Method	TBLASTX:Soybean
Start	2140	End	2385
GI	none	Score	209
Exons	2140..2385		

Seq. No.	33147	Seq. ID	OJ990708_07.0204.C2
Gene No.	68735	Strand	-
Start	385	End	9467
Name	OJ990708_07.0204.C2.o3.tm	Method	TBLASTX:Maize
Start	2356	End	2856
GI	none	Score	39
Exons	2356..2691, 2402..2449, 2474..2605, 2677..2856		

Seq. No.	33147	Seq. ID	OJ990708_07.0204.C2
Gene No.	68735	Strand	-
Start	385	End	9467
Name	OJ990708_07.0204.C2.o5.tw	Method	TBLASTX:Wheat
Start	2392	End	2694
GI	none	Score	243
Exons	2392..2694, 2393..2665, 2401..2691, 2616..2693		

Seq. No.	33147	Seq. ID	OJ990708_07.0204.C2
Gene No.	68735	Strand	-
Start	385	End	9467
Name	OJ990708_07.0204.C2.o1.ts	Method	TBLASTX:Soybean
Start	2407	End	2802
GI	none	Score	171
Exons	2407..2766, 2408..2674, 2437..2754, 2619..2759, 2770..2802, 2774..2800		

Seq. No.	33147	Seq. ID	OJ990708_07.0204.C2
Gene No.	68735	Strand	-
Start	385	End	9467
Name	OJ990708_07.0204.C2.o4.tw	Method	TBLASTX:Wheat
Start	2743	End	3225
GI	none	Score	271
Exons	2743..3225, 2786..3121		

Seq. No.	33147	Seq. ID	OJ990708_07.0204.C2
Gene No.	68735	Strand	-
Start	385	End	9467
Name	OJ990708_07.0204.C2.o4.ts	Method	TBLASTX:Soybean
Start	2875	End	3189
GI	none	Score	183
Exons	2875..3189		

Seq. No.	33147	Seq. ID	OJ990708_07.0204.C2

Gene No.	68735	Strand	-
Start	385	End	9467
Name	OJ990708_07.0204.C2.o5.tm	Method	TBLASTX:Maize
Start	2924	End	3213
GI	none	Score	174
Exons	2924..3115, 2926..3213		

Seq. No.	33147	Seq. ID	OJ990708_07.0204.C2
Gene No.	68735	Strand	-
Start	385	End	9467
Name	OJ990708_07.0204.C2.o8.tw	Method	TBLASTX:Wheat
Start	3400	End	3801
GI	none	Score	54
Exons	3400..3573, 3431..3499, 3481..3540, 3577..3801, 3635..3787		

Seq. No.	33147	Seq. ID	OJ990708_07.0204.C2
Gene No.	68735	Strand	-
Start	385	End	9467
Name	OJ990708_07.0204.C2.o8.tm	Method	TBLASTX:Maize
Start	3487	End	3763
GI	none	Score	78
Exons	3487..3762, 3662..3763		

Seq. No.	33147	Seq. ID	OJ990708_07.0204.C2
Gene No.	68735	Strand	-
Start	385	End	9467
Name	OJ990708_07.0204.C2.o6.tm	Method	TBLASTX:Maize
Start	4129	End	4461
GI	none	Score	109
Exons	4129..4461, 4274..4438		

Seq. No.	33147	Seq. ID	OJ990708_07.0204.C2
Gene No.	68735	Strand	-
Start	385	End	9467
Name	OJ990708_07.0204.C2.o7.tw	Method	TBLASTX:Wheat
Start	4342	End	4722
GI	none	Score	141
Exons	4342..4722, 4343..4702		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68736	Strand	+
Start	509	End	7165
Name	OJ990708_07.0204.C3.o1.gs	Method	GENSCAN
Start	509	End	7165
GI	none	Score	.8
Exons	509..597, 731..881, 991..1076, 2050..2119, 2216..2311, 3018..3221, 3288..3371, 3459..3655, 4120..4473, 4526..5307, 5574..5755, 5859..6069, 6284..6521, 6617..6770, 6983..7165		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68737	Strand	+
Start	9074	End	17490
Name	OJ990708_07.0204.C3.o1.np	Method	AAT/NAP
Start	9047	End	17490
GI	6686398	Score	2443
Exons	9047..10319, 10443..10630, 10882..11010, 11095..11305, 11406..11643, 11735..11885, 11972..12276, 13938..15127,		

	15823..15960, 16012..16202, 16315..16525, 16629..16866, 16959..17109, 17191..17490		
GI Descrip.	(AC007234) F1E22.15 [Arabidopsis thaliana]		
Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68737	Strand	+
Start	9074	End	17490
Name	OJ990708_07.0204.C3.o3.gs	Method	GENSCAN
Start	9074	End	17275
GI	none	Score	.74
Exons	9074..10328, 10650..10751, 10829..11010, 11095..11305, 11460..11643, 11735..11822, 11972..12244, 12601..13026, 13096..13457, 13860..15091, 16021..16202, 16315..16525, 16716..16866, 17191..17275		
Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68738	Strand	+
Start	25536	End	31881
Name	OJ990708_07.0204.C3.o3.np	Method	AAT/NAP
Start	25536	End	30292
GI	6016874	Score	2231
Exons	25536..25614, 25698..25835, 25900..26132, 26523..26682, 27076..27255, 27373..27712, 28188..28458, 30268..30292		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		
Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68738	Strand	+
Start	25536	End	31881
Name	OJ990708_07.0204.C3.o5.gs	Method	GENSCAN
Start	25536	End	28371
GI	none	Score	.64
Exons	25536..25614, 25698..25835, 25900..26132, 26523..26682, 27256..27712, 28188..28371		
Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68738	Strand	+
Start	25536	End	31881
Name	OJ990708_07.0204.C3.o2.gp	Method	AAT/GAP
Start	26225	End	26733
GI	uC-osflcyp110c07b1	Score	970
Exons	26225..26733		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		
Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68738	Strand	+
Start	25536	End	31881
Name	OJ990708_07.0204.C3.o6.gs	Method	GENSCAN
Start	30011	End	31881
GI	none	Score	.64
Exons	30011..30209, 31868..31881		
Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68738	Strand	+

Start	25536	End	31881
Name	OJ990708_07.0204.C3.o4.np	Method	AAT/NAP
Start	31304	End	31753
GI	6069646	Score	412
Exons	31304..31753		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68739	Strand	+
Start	33441	End	41136
Name	OJ990708_07.0204.C3.o7.gs	Method	GENSCAN
Start	33441	End	39870
GI	none	Score	.76
Exons	33441..33609, 34630..34771, 35612..35762, 36018..36386, 36516..36635, 36982..37025, 37906..38003, 38370..38413, 39062..39255, 39360..39870		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68739	Strand	+
Start	33441	End	41136
Name	OJ990708_07.0204.C3.o3.gp	Method	AAT/GAP
Start	36815	End	37014
GI	3106943	Score	374
Exons	36815..37014		
GI Descrip.	1019378/dbj|D17785|RICNH4621 1.0e-104 Rice DNA for U3 small nuclear RNA, partial sequence		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68739	Strand	+
Start	33441	End	41136
Name	OJ990708_07.0204.C3.o4.gp	Method	AAT/GAP
Start	38202	End	38402
GI	3106943	Score	299
Exons	38202..38402		
GI Descrip.	1019378/dbj|D17785|RICNH4621 1.0e-104 Rice DNA for U3 small nuclear RNA, partial sequence		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68739	Strand	+
Start	33441	End	41136
Name	OJ990708_07.0204.C3.o5.np	Method	AAT/NAP
Start	39023	End	41136
GI	3269281	Score	560
Exons	39023..39906, 41073..41136		
GI Descrip.	(AL030978) putative protein [Arabidopsis thaliana]		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68740	Strand	+
Start	57167	End	62845
Name	OJ990708_07.0204.C3.o9.np	Method	AAT/NAP
Start	57167	End	62845
GI	6562752	Score	82
Exons	57167..57193, 59859..60245, 62798..62845		

GI Descrip.	(AL035475) hypothetical protein, MAL4P2.50 [Plasmodium falciparum]		
Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68741	Strand	-
Start	240	End	550
Name	OJ990708_07.0204.C3.o1.gp	Method	AAT/GAP
Start	240	End	550
GI	LIB3432-020-P1-K1-H1	Score	543
Exons	240..550		
GI Descrip.	'2735017 1.0e-40 (U82481) KI domain interacting kinase 1 [Zea mays]'		
Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68742	Strand	-
Start	7396	End	8781
Name	OJ990708_07.0204.C3.o2.gs	Method	GENSCAN
Start	7396	End	8781
GI	none	Score	.95
Exons	7396..7477, 7847..8017, 8723..8781		
Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68743	Strand	-
Start	18547	End	26034
Name	OJ990708_07.0204.C3.o4.gs	Method	GENSCAN
Start	18547	End	24307
GI	none	Score	.62
Exons	18547..18868, 19108..19294, 21086..21135, 22093..22235, 22379..22432, 22594..22659, 23099..23203, 23312..23819, 23940..24307		
Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68743	Strand	-
Start	18547	End	26034
Name	OJ990708_07.0204.C3.o2.np	Method	AAT/NAP
Start	22092	End	26034
GI	4508068	Score	264
Exons	22092..22235, 22588..22659, 22843..22908, 23099..23158, 25509..25550, 25993..26034		
GI Descrip.	(AC005882) 3063 [Arabidopsis thaliana]		
Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68744	Strand	-
Start	41476	End	42925
Name	OJ990708_07.0204.C3.o8.gs	Method	GENSCAN
Start	41476	End	42925
GI	none	Score	.78
Exons	41476..41526, 41541..41617, 42085..42337, 42905..42925		
Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68745	Strand	-
Start	44021	End	45510
Name	OJ990708_07.0204.C3.o5.gp	Method	AAT/GAP
Start	43841	End	44308
GI	76282_1.R1084	Score	852
Exons	43841..44308		
GI Descrip.	'4262149/gb|AAD14449| 7.0e-17 (AC005275) putative xyloglucan		

endotransglycosylase [Arabidopsis thaliana]'

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68745	Strand	-
Start	44021	End	45510
Name	OJ990708_07.0204.C3.o6.np	Method	AAT/NAP
Start	44015	End	45480
GI	4262149	Score	787
Exons	44015..44176, 44210..44392, 44468..44719, 45093..45193, 45312..45480		
GI Descrip.	(AC005275) putative xyloglucan endotransglycosylase [Arabidopsis thaliana]		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68745	Strand	-
Start	44021	End	45510
Name	OJ990708_07.0204.C3.o9.gs	Method	GENSCAN
Start	44021	End	45471
GI	none	Score	.62
Exons	44021..44736, 45089..45193, 45312..45471		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68745	Strand	-
Start	44021	End	45510
Name	OJ990708_07.0204.C3.o6.gp	Method	AAT/GAP
Start	44421	End	45510
GI	71813_1.R1084	Score	1010
Exons	44421..44719, 45093..45193, 45312..45510		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68746	Strand	-
Start	46992	End	49579
Name	OJ990708_07.0204.C3.o10.gs	Method	GENSCAN
Start	46992	End	49579
GI	none	Score	.69
Exons	46992..47074, 47198..47228, 48934..49178, 49507..49579		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68747	Strand	-
Start	50518	End	59202
Name	OJ990708_07.0204.C3.o7.np	Method	AAT/NAP
Start	50518	End	53694
GI	3152576	Score	608
Exons	50518..50856, 50920..51778, 53314..53694		
GI Descrip.	(AC002986) Similar to liver-specific transport protein gb|L27651 from Rattus norviegicus. [Arabidopsis thaliana]		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68747	Strand	-
Start	50518	End	59202
Name	OJ990708_07.0204.C3.o11.gs	Method	GENSCAN
Start	50538	End	59202
GI	none	Score	.5
Exons	50538..50856, 50926..51778, 53314..53793, 53915..54006, 55470..55660, 55837..55960, 56178..56391, 56489..56648,		

57351..57551, 57736..57902, 59082..59202

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68747	Strand	-
Start	50518	End	59202
Name	OJ990708_07.0204.C3.o8.gp	Method	AAT/GAP
Start	50982	End	51303
GI	568937	Score	637
Exons	50982..51303		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68747	Strand	-
Start	50518	End	59202
Name	OJ990708_07.0204.C3.o9.gp	Method	AAT/GAP
Start	53625	End	53758
GI	uC-osf1M202039g09b1	Score	176
Exons	53625..53758		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68747	Strand	-
Start	50518	End	59202
Name	OJ990708_07.0204.C3.o8.np	Method	AAT/NAP
Start	55744	End	59199
GI	1332411	Score	455
Exons	55744..55960, 56181..56361, 56477..56648, 57351..57551, 57736..57902, 59082..59199		
GI Descrip.	(D85102) dihydroflavonol 4-reductase [Rosa hybrida]		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68748	Strand	-
Start	61312	End	62579
Name	OJ990708_07.0204.C3.o12.gs	Method	GENSCAN
Start	61312	End	62579
GI	none	Score	.83
Exons	61312..61427, 62405..62579		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o1.ts	Method	TBLASTX:Soybean
Start	355	End	17417
GI	none	Score	268
Exons	355..594, 365..571, 731..838, 732..833, 990..1211, 991..1215, 1201..1293, 5722..5769, 5856..6041, 5886..6011, 5917..6051, 5917..6033, 5918..6040, 6045..6080, 6274..6519, 6277..6519, 6309..6521, 6617..6736, 6618..6719, 6620..6721, 6862..7077, 6866..7165, 10978..11010, 11056..11271, 11092..11277, 11094..11276, 11384..11614, 11389..11640, 11735..11842, 11736..11837, 11738..11845, 11960..12226, 11962..12165, 16170..16202, 16312..16491, 16315..16497, 16374..16496, 16501..16533, 16613..16864, 16613..16840, 16627..16863, 16933..17055, 16959..17063, 16959..17054, 17179..17412, 17202..17417		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3

Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o1.tm	Method	TBLASTX:Maize
Start	376	End	17370
GI	none	Score	243
Exons	376..546, 377..574, 731..871, 732..893, 961..1155, 990..1034, 1065..1157, 1141..1194, 5722..5757, 5856..6092, 5915..6064, 6298..6519, 6298..6480, 6300..6518, 6306..6521, 6617..6724, 6618..6713, 6865..7047, 6866..7048, 10903..11010, 10958..11011, 11092..11361, 11094..11216, 11398..11643, 11411..11620, 11735..11875, 11736..11879, 11960..12154, 11971..12153, 16095..16202, 16315..16524, 16365..16520, 16645..16866, 16646..16864, 16648..16866, 16959..17081, 16960..17061, 16964..17077, 17175..17357, 17179..17370		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o3.tw	Method	TBLASTX:Wheat
Start	377	End	16690
GI	none	Score	59
Exons	377..421, 5856..6074, 5915..6076, 6265..6345, 11092..11286, 11094..11312, 11398..11466, 11399..11467, 16299..16532, 16315..16524, 16622..16690		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o1.tc	Method	TBLASTX:Cress
Start	379	End	17418
GI	none	Score	249
Exons	379..549, 380..574, 397..597, 425..592, 734..838, 735..839, 976..1203, 5856..6068, 5915..6067, 6220..6519, 6343..6522, 6344..6523, 6617..6709, 6620..6724, 6621..6740, 6866..7123, 6937..7059, 10870..11010, 10929..11009, 11092..11286, 11094..11222, 11164..11310, 11399..11620, 11428..11640, 11738..11842, 11739..11843, 11942..12169, 16062..16202, 16315..16524, 16365..16454, 16622..16864, 16636..16866, 16648..16863, 16963..17055, 16965..17066, 17200..17418, 17265..17402		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o1.tw	Method	TBLASTX:Wheat
Start	422	End	17109
GI	none	Score	208
Exons	422..574, 424..594, 425..595, 477..596, 731..838, 732..842, 6346..6519, 6348..6518, 6617..6724, 6618..6740, 11468..11620, 11470..11640, 11471..11641, 11735..11857, 11736..11885, 11954..12013, 16691..16864, 16693..16863, 16694..16864, 16959..17090, 16960..17109		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o6.tw	Method	TBLASTX:Wheat

Start	976	End	17396
GI	none	Score	171
Exons	976..1152, 991..1194, 1071..1193, 6866..7069, 6943..7071, 12014..12169, 17191..17394, 17268..17396		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o8.tm	Method	TBLASTX:Maize
Start	3093	End	27673
GI	none	Score	60
Exons	3093..3137, 3141..3209, 3174..3371, 3200..3370, 3287..3373, 3340..3372, 3449..3502, 3450..3500, 27557..27673		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o8.ts	Method	TBLASTX:Soybean
Start	3222	End	3482
GI	none	Score	176
Exons	3222..3404, 3224..3361, 3450..3482		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o4.tm	Method	TBLASTX:Maize
Start	4264	End	14523
GI	none	Score	154
Exons	4264..4389, 4265..4393, 4271..4393, 4442..4483, 4456..4506, 4481..4507, 4536..4646, 9274..9357, 9278..9454, 9280..9333, 9297..9335, 9322..9402, 9404..9652, 9425..9610, 9463..9630, 9635..9700, 9637..9696, 14041..14439, 14049..14417, 14431..14523, 14446..14493		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o3.tc	Method	TBLASTX:Cress
Start	4265	End	14814
GI	none	Score	68
Exons	4265..4381, 4442..4513, 4563..4625, 4647..4715, 4791..4931, 4956..4982, 9146..9295, 9286..9369, 9287..9433, 9434..9544, 9455..9544, 9590..9691, 9607..9690, 13978..14208, 14254..14346, 14298..14345, 14380..14511, 14403..14513, 14629..14769, 14767..14814		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o7.ts	Method	TBLASTX:Soybean
Start	4265	End	14427
GI	none	Score	119
Exons	4265..4381, 9134..9244, 9282..9323, 9284..9385, 9344..9424, 9497..9631, 9499..9627, 13969..14034, 14014..14274, 14044..14118, 14292..14423, 14293..14427		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3

Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o4.tw	Method	TBLASTX:Wheat
Start	4651	End	53645
GI	none	Score	172
Exons	4651..4704, 53493..53645, 53498..53644		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o9.tm	Method	TBLASTX:Maize
Start	5041	End	15078
GI	none	Score	226
Exons	5041..5184, 5043..5198, 5056..5211, 5057..5200, 5187..5261, 5202..5246, 5203..5262, 10081..10227, 10082..10228, 10114..10233, 10116..10232, 10215..10283, 10229..10282, 10240..10287, 10240..10287, 14876..15010, 14879..15007, 14880..15032, 14880..15008, 14881..15036, 14881..15027, 14998..15078, 15009..15068, 15025..15078		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o7.tm	Method	TBLASTX:Maize
Start	25884	End	26330
GI	none	Score	69
Exons	25884..25970, 25955..26164, 25956..26204, 26241..26297, 26292..26330		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o10.tm	Method	TBLASTX:Maize
Start	26424	End	26738
GI	none	Score	65
Exons	26424..26498, 26511..26738, 26519..26737		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o12.tm	Method	TBLASTX:Maize
Start	26943	End	27427
GI	none	Score	231
Exons	26943..27224, 26954..27295, 27338..27427		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o3.tm	Method	TBLASTX:Maize
Start	39043	End	39491
GI	none	Score	289
Exons	39043..39327, 39044..39322, 39049..39324, 39334..39489, 39384..39491, 39396..39488		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845

Name	OJ990708_07.0204.C3.o2.tw	Method	TBLASTX:Wheat
Start	39044	End	39432
GI	none	Score	121
Exons	39044..39163, 39175..39321, 39176..39322, 39346..39432		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o4.ts	Method	TBLASTX:Soybean
Start	39197	End	39792
GI	none	Score	89
Exons	39197..39334, 39217..39315, 39379..39792, 39396..39785		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o6.tm	Method	TBLASTX:Maize
Start	39499	End	39834
GI	none	Score	302
Exons	39499..39792, 39499..39792, 39793..39834		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o2.tm	Method	TBLASTX:Maize
Start	43963	End	44545
GI	none	Score	498
Exons	43963..43983, 44021..44365, 44025..44366, 44447..44461, 44486..44545		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o2.tc	Method	TBLASTX:Cress
Start	44033	End	45402
GI	none	Score	108
Exons	44033..44170, 44249..44365, 44280..44366, 44486..44719, 44487..44717, 45087..45230, 45094..45195, 45310..45402		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o2.ts	Method	TBLASTX:Soybean
Start	44033	End	45402
GI	none	Score	123
Exons	44033..44170, 44034..44171, 44249..44365, 44277..44366, 44484..44717, 44486..44719, 45087..45197, 45094..45195, 45310..45402		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o5.tm	Method	TBLASTX:Maize
Start	44546	End	45403
GI	none	Score	290
Exons	44546..44719, 44547..44717, 44585..44731, 45087..45236, 45093..45194, 45094..45195, 45310..45402, 45353..45403		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o6.ts	Method	TBLASTX:Soybean
Start	50811	End	51206
GI	none	Score	269
Exons	50811..50858, 50925..51206		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o3.ts	Method	TBLASTX:Soybean
Start	51312	End	51758
GI	none	Score	59
Exons	51312..51479, 51313..51453, 51480..51758, 51496..51756		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o4.tc	Method	TBLASTX:Cress
Start	51448	End	53407
GI	none	Score	141
Exons	51448..51786, 51525..51785, 53312..53407		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o5.ts	Method	TBLASTX:Soybean
Start	53312	End	53644
GI	4397580	Score	85
Exons	53312..53428, 53313..53411, 53493..53636, 53504..53644		
GI Descrip.	3152576 6.0e-14 (AC002986) Similar to liver-specific transport protein gb_L27651 from Rattus norviegicus. [Arabidopsis thaliana]		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o5.tw	Method	TBLASTX:Wheat
Start	57438	End	59170
GI	none	Score	114
Exons	57438..57554, 57441..57554, 57727..57903, 57754..57903, 59081..59152, 59083..59169, 59084..59170		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o11.tm	Method	TBLASTX:Maize
Start	57474	End	59215
GI	none	Score	185
Exons	57474..57578, 57734..57919, 57735..57902, 57736..57924, 57736..57903, 59083..59190, 59084..59215		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845

Name	OJ990708_07.0204.C3.o10.np	Method	AAT/NAP
Start	62526	End	62845
GI	5042454	Score	71
Exons	62526..62579, 62777..62845		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	33148	Seq. ID	OJ990708_07.0204.C3
Gene No.	68749	Strand	-
Start	62526	End	62845
Name	OJ990708_07.0204.C3.o11.np	Method	AAT/NAP
Start	62701	End	62845
GI	6721562	Score	85
Exons	62701..62845		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	33149	Seq. ID	OJ990708_07.0204.C4
Gene No.	68750	Strand	+
Start	797	End	7227
Name	OJ990708_07.0204.C4.o1.gs	Method	GENSCAN
Start	797	End	7227
GI	none	Score	.6
Exons	797..850, 1745..1945, 2109..2248, 3847..3875, 4162..5227, 5325..7227		

Seq. No.	33149	Seq. ID	OJ990708_07.0204.C4
Gene No.	68750	Strand	+
Start	797	End	7227
Name	OJ990708_07.0204.C4.o1.np	Method	AAT/NAP
Start	797	End	7224
GI	5803259	Score	4754
Exons	797..950, 4120..5227, 5325..7224		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	33150	Seq. ID	OJ990708_07.0204.C5
Gene No.	68751	Strand	-
Start	1	End	7076
Name	OJ990708_07.0204.C5.o1.np	Method	AAT/NAP
Start	1	End	5610
GI	6498441	Score	6820
Exons	1..244, 338..1735, 1907..2203, 2396..2822, 2997..3131, 3315..3688, 3752..4215, 4546..5610		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	33150	Seq. ID	OJ990708_07.0204.C5
Gene No.	68751	Strand	-
Start	1	End	7076
Name	OJ990708_07.0204.C5.o6.tw	Method	TBLASTX:Wheat
Start	17	End	574
GI	none	Score	168
Exons	17..97, 272..574, 291..569		

Seq. No.	33150	Seq. ID	OJ990708_07.0204.C5
Gene No.	68751	Strand	-
Start	1	End	7076
Name	OJ990708_07.0204.C5.o1.gs	Method	GENSCAN
Start	76	End	6710
GI	none	Score	.57
Exons	76..406, 416..3487, 3506..3688, 3767..6133, 6190..6294, 6654..6710		

Seq. No.	33150	Seq. ID	OJ990708_07.0204.C5
Gene No.	68751	Strand	-
Start	1	End	7076
Name	OJ990708_07.0204.C5.o4.tw	Method	TBLASTX:Wheat
Start	575	End	5204
GI	none	Score	169
Exons	575..955, 606..854, 614..955, 900..956, 5124..5204		

Seq. No.	33150	Seq. ID	OJ990708_07.0204.C5
Gene No.	68751	Strand	-
Start	1	End	7076
Name	OJ990708_07.0204.C5.o3.tm	Method	TBLASTX:Maize
Start	731	End	1093
GI	none	Score	192
Exons	731..778, 770..1093, 783..1064		

Seq. No.	33150	Seq. ID	OJ990708_07.0204.C5
Gene No.	68751	Strand	-
Start	1	End	7076
Name	OJ990708_07.0204.C5.o8.tw	Method	TBLASTX:Wheat
Start	1286	End	1598
GI	none	Score	60
Exons	1286..1546, 1500..1598		

Seq. No.	33150	Seq. ID	OJ990708_07.0204.C5
Gene No.	68751	Strand	-
Start	1	End	7076
Name	OJ990708_07.0204.C5.o5.tw	Method	TBLASTX:Wheat
Start	1601	End	2163
GI	none	Score	88
Exons	1601..1750, 1602..1739, 1604..1741, 1785..1970, 1811..2020, 1811..2035, 2143..2163		

Seq. No.	33150	Seq. ID	OJ990708_07.0204.C5
Gene No.	68751	Strand	-
Start	1	End	7076
Name	OJ990708_07.0204.C5.o1.ts	Method	TBLASTX:Soybean
Start	2660	End	3031
GI	none	Score	89
Exons	2660..3031, 2871..3014		

Seq. No.	33150	Seq. ID	OJ990708_07.0204.C5
Gene No.	68751	Strand	-
Start	1	End	7076
Name	OJ990708_07.0204.C5.o2.tw	Method	TBLASTX:Wheat
Start	2690	End	3110
GI	none	Score	310
Exons	2690..3109, 2697..3110		

Seq. No.	33150	Seq. ID	OJ990708_07.0204.C5
Gene No.	68751	Strand	-
Start	1	End	7076
Name	OJ990708_07.0204.C5.o2.tm	Method	TBLASTX:Maize
Start	2783	End	3167
GI	none	Score	226
Exons	2783..3166, 2802..3167		

Seq. No.	33150	Seq. ID	OJ990708_07.0204.C5
Gene No.	68751	Strand	-
Start	1	End	7076
Name	OJ990708_07.0204.C5.o1.tm	Method	TBLASTX:Maize
Start	3194	End	3550
GI	none	Score	133
Exons	3194..3499, 3194..3550, 3204..3515		

Seq. No.	33150	Seq. ID	OJ990708_07.0204.C5
Gene No.	68751	Strand	-
Start	1	End	7076
Name	OJ990708_07.0204.C5.o1.tw	Method	TBLASTX:Wheat
Start	3218	End	3681
GI	none	Score	219
Exons	3218..3679, 3224..3679, 3225..3680, 3238..3681		

Seq. No.	33150	Seq. ID	OJ990708_07.0204.C5
Gene No.	68751	Strand	-
Start	1	End	7076
Name	OJ990708_07.0204.C5.o2.ts	Method	TBLASTX:Soybean
Start	3275	End	3640
GI	none	Score	111
Exons	3275..3409, 3416..3640		

Seq. No.	33150	Seq. ID	OJ990708_07.0204.C5
Gene No.	68751	Strand	-
Start	1	End	7076
Name	OJ990708_07.0204.C5.o3.tw	Method	TBLASTX:Wheat
Start	3872	End	4331
GI	none	Score	175
Exons	3872..4330, 3876..4136, 4194..4331		

Seq. No.	33150	Seq. ID	OJ990708_07.0204.C5
Gene No.	68751	Strand	-
Start	1	End	7076
Name	OJ990708_07.0204.C5.o4.tm	Method	TBLASTX:Maize
Start	5171	End	5456
GI	none	Score	108
Exons	5171..5419, 5172..5456		

Seq. No.	33150	Seq. ID	OJ990708_07.0204.C5
Gene No.	68751	Strand	-
Start	1	End	7076
Name	OJ990708_07.0204.C5.o7.tw	Method	TBLASTX:Wheat
Start	5205	End	5461
GI	none	Score	77
Exons	5205..5342, 5207..5326, 5309..5407, 5310..5402, 5414..5461		

Seq. No.	33150	Seq. ID	OJ990708_07.0204.C5
Gene No.	68751	Strand	-
Start	1	End	7076
Name	OJ990708_07.0204.C5.o2.np	Method	AAT/NAP
Start	6347	End	7076
GI	5042454	Score	196
Exons	6347..6400, 6654..6829, 7055..7076		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	33151	Seq. ID	OJ990708_07.0204.C6
Gene No.	68753	Strand	-
Start	77	End	8110
Name	OJ990708_07.0204.C6.o1.np	Method	AAT/NAP
Start	77	End	3356
GI	5732928	Score	430
Exons	77..118, 1365..1485, 1603..1776, 1951..2122, 2251..2454, 2631..2797, 3239..3356		
GI Descrip.	(AF169801) dihydroflavonol-4-reductase [Lilium hybrid cultivar VII cv. 'Acapulco']		

Seq. No.	33151	Seq. ID	OJ990708_07.0204.C6
Gene No.	68753	Strand	-
Start	77	End	8110
Name	OJ990708_07.0204.C6.o2.np	Method	AAT/NAP
Start	1298	End	3380
GI	2960364	Score	289
Exons	1298..1481, 1593..1776, 1954..2122, 2260..2450, 2639..2787, 3232..3380		
GI Descrip.	(AJ224986) cinnamoyl CoA reductase [Populus balsamifera subsp. trichocarpa]		

Seq. No.	33151	Seq. ID	OJ990708_07.0204.C6
Gene No.	68753	Strand	-
Start	77	End	8110
Name	OJ990708_07.0204.C6.o2.gs	Method	GENSCAN
Start	1331	End	7853
GI	none	Score	.9
Exons	1331..1478, 1593..1806, 1963..2122, 2251..2454, 2631..2797, 3239..3424, 5392..5516, 6198..6311, 6408..6645, 6947..7106, 7653..7853		

Seq. No.	33151	Seq. ID	OJ990708_07.0204.C6
Gene No.	68753	Strand	-
Start	77	End	8110
Name	OJ990708_07.0204.C6.o1.tw	Method	TBLASTX:Wheat
Start	2339	End	8042
GI	none	Score	109
Exons	2339..2446, 2344..2457, 2344..2457, 2450..2488, 2634..2798, 2649..2798, 3234..3326, 3235..3327, 7741..7836, 7741..7824, 7743..7856, 7959..8042, 7991..8041		

Seq. No.	33151	Seq. ID	OJ990708_07.0204.C6
Gene No.	68753	Strand	-
Start	77	End	8110
Name	OJ990708_07.0204.C6.o1.tm	Method	TBLASTX:Maize
Start	2377	End	8042
GI	none	Score	68

Exons	2377..2457, 2378..2452, 2629..2814, 2630..2797, 2631..2819, 2631..2798, 3231..3344, 3231..3344, 3232..3345, 7776..7856, 7777..7842, 7965..8042, 7967..8041		
Seq. No.	33151	Seq. ID	OJ990708_07.0204.C6
Gene No.	68753	Strand	-
Start	77	End	8110
Name	OJ990708_07.0204.C6.o3.np	Method	AAT/NAP
Start	6158	End	8110
GI	6689826	Score	476
Exons	6158..6311, 6411..6645, 6947..7106, 7653..7853, 7967..8110		
GI Descrip.	(AF092912) DFR-like protein [Arabidopsis thaliana]		
Seq. No.	33151	Seq. ID	OJ990708_07.0204.C6
Gene No.	68753	Strand	-
Start	77	End	8110
Name	OJ990708_07.0204.C6.o2.gp	Method	AAT/GAP
Start	7813	End	8042
GI	17023_1.R1084	Score	154
Exons	7813..7853, 7967..8042		
GI Descrip.	'4508073/gb|AAD21417.1| 1.0e-15 (AC005882) 43220 [Arabidopsis thaliana]'		
Seq. No.	33152	Seq. ID	OJ990318_06.0228.C5
Gene No.	68754	Strand	
Start	141	End	833
Name	OJ990318_06.0228.C5.o1.tw	Method	TBLASTX:Wheat
Start	141	End	833
GI	none	Score	414
Exons	141..314, 142..627, 336..623, 768..833		
Seq. No.	33153	Seq. ID	OJ990318_06.0228.C6
Gene No.	68755	Strand	+
Start	435	End	765
Name	OJ990318_06.0228.C6.o1.gp	Method	AAT/GAP
Start	435	End	765
GI	none	Score	537
Exons	435..765		
Seq. No.	33154	Seq. ID	OJ990318_06.0228.C7
Gene No.	68756	Strand	+
Start	531	End	1257
Name	OJ990318_06.0228.C7.o1.gp	Method	AAT/GAP
Start	531	End	1257
GI	92707_1.R1084	Score	1149
Exons	531..670, 787..1257		
GI Descrip.	'4580513/gb|AAD24403.1|AF036300_1 2.0e-39 (AF036300) scarecrow-like 1 [Arabidopsis thaliana]'		
Seq. No.	33154	Seq. ID	OJ990318_06.0228.C7
Gene No.	68757	Strand	-
Start	1352	End	1749
Name	OJ990318_06.0228.C7.o1.tm	Method	TBLASTX:Maize
Start	28	End	676
GI	none	Score	183
Exons	28..318, 34..345, 44..343, 72..344, 508..672, 513..671, 513..674, 593..676		

Seq. No.	33154	Seq. ID	OJ990318_06.0228.C7
Gene No.	68757	Strand	-
Start	1352	End	1749
Name	OJ990318_06.0228.C7.o1.ts	Method	TBLASTX:Soybean
Start	43	End	626
GI	none	Score	378
Exons	43..348, 44..349, 513..569, 570..626		

Seq. No.	33154	Seq. ID	OJ990318_06.0228.C7
Gene No.	68757	Strand	-
Start	1352	End	1749
Name	OJ990318_06.0228.C7.o1.tw	Method	TBLASTX:Wheat
Start	44	End	343
GI	none	Score	283
Exons	44..343, 85..333, 92..343		

Seq. No.	33154	Seq. ID	OJ990318_06.0228.C7
Gene No.	68757	Strand	-
Start	1352	End	1749
Name	OJ990318_06.0228.C7.o1.tc	Method	TBLASTX:Cress
Start	128	End	985
GI	none	Score	216
Exons	128..349, 136..345, 507..671, 513..665, 785..985, 790..912		

Seq. No.	33154	Seq. ID	OJ990318_06.0228.C7
Gene No.	68757	Strand	-
Start	1352	End	1749
Name	OJ990318_06.0228.C7.o2.ts	Method	TBLASTX:Soybean
Start	800	End	994
GI	none	Score	90
Exons	800..886, 802..876, 881..994, 887..982		

Seq. No.	33154	Seq. ID	OJ990318_06.0228.C7
Gene No.	68757	Strand	-
Start	1352	End	1749
Name	OJ990318_06.0228.C7.o2.gp	Method	AAT/GAP
Start	1352	End	1749
GI	none	Score	612
Exons	1352..1749		

Seq. No.	33155	Seq. ID	OJ990318_06.0228.C8
Gene No.	68758	Strand	
Start	131	End	315
Name	OJ990318_06.0228.C8.o1.tm	Method	TBLASTX:Maize
Start	131	End	315
GI	none	Score	93
Exons	131..199, 139..204, 140..232, 189..314, 190..315		

Seq. No.	33155	Seq. ID	OJ990318_06.0228.C8
Gene No.	68759	Strand	
Start	670	End	1080
Name	OJ990318_06.0228.C8.o1.tw	Method	TBLASTX:Wheat
Start	670	End	1080
GI	none	Score	70
Exons	670..726, 671..727, 731..778, 739..780, 867..923, 960..1079, 961..1080		

Seq. No.	33156	Seq. ID	OJ990318_06.0228.C9
Gene No.	68760	Strand	-
Start	1	End	1138
Name	OJ990318_06.0228.C9.o1.gp	Method	AAT/GAP
Start	1	End	1006
GI	12151_2.R1084	Score	1602
Exons	1..824, 954..1006		
GI Descrip.	'487298/dbj|D29997|RICEN265 0.0e+00 Rice mRNA EN26, partial sequence'		

Seq. No.	33156	Seq. ID	OJ990318_06.0228.C9
Gene No.	68760	Strand	-
Start	1	End	1138
Name	OJ990318_06.0228.C9.o1.tm	Method	TBLASTX:Maize
Start	5	End	1138
GI	none	Score	77
Exons	5..70, 13..69, 556..738, 615..743, 986..1138, 987..1130		

Seq. No.	33156	Seq. ID	OJ990318_06.0228.C9
Gene No.	68760	Strand	-
Start	1	End	1138
Name	OJ990318_06.0228.C9.o1.tc	Method	TBLASTX:Cress
Start	615	End	743
GI	none	Score	112
Exons	615..743, 619..738		

Seq. No.	33157	Seq. ID	OJ990318_06.0228.C10
Gene No.	68761	Strand	-
Start	626	End	1579
Name	OJ990318_06.0228.C10.o1.gp	Method	AAT/GAP
Start	626	End	1579
GI	12151_1.R1084	Score	541
Exons	626..724, 1158..1194, 1406..1579		
GI Descrip.	'4455244/emb|CAB36743.1| 2.0e-39 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	33158	Seq. ID	OJ990318_06.0228.C12
Gene No.	68762	Strand	
Start	52	End	691
Name	OJ990318_06.0228.C12.o1.tm	Method	TBLASTX:Maize
Start	52	End	689
GI	none	Score	169
Exons	52..195, 57..194, 113..196, 311..442, 311..379, 343..441, 509..685, 527..688, 528..689, 528..689		

Seq. No.	33158	Seq. ID	OJ990318_06.0228.C12
Gene No.	68762	Strand	
Start	52	End	691
Name	OJ990318_06.0228.C12.o1.ts	Method	TBLASTX:Soybean
Start	129	End	691
GI	none	Score	63
Exons	129..194, 139..195, 343..438, 515..691, 518..688, 525..689		

Seq. No.	33158	Seq. ID	OJ990318_06.0228.C12
Gene No.	68762	Strand	
Start	52	End	691

Name	OJ990318_06.0228.C12.o1.tw	Method	TBLASTX:Wheat
Start	141	End	688
GI	none	Score	55
Exons	141..194, 311..427, 524..688,	525..683	

Seq. No.	33159	Seq. ID	OJ990318_06.0228.C15
Gene No.	68763	Strand	+
Start	1	End	398
Name	OJ990318_06.0228.C15.o1.gp	Method	AAT/GAP
Start	1	End	398
GI	4878407	Score	577
Exons	1..398		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	33160	Seq. ID	OJ990318_06.0228.C20
Gene No.	68764	Strand	
Start	63	End	394
Name	OJ990318_06.0228.C20.o1.ts	Method	TBLASTX:Soybean
Start	63	End	394
GI	none	Score	287
Exons	63..365, 65..394, 69..377, 137..382		

Seq. No.	33160	Seq. ID	OJ990318_06.0228.C20
Gene No.	68764	Strand	
Start	63	End	394
Name	OJ990318_06.0228.C20.o1.tw	Method	TBLASTX:Wheat
Start	68	End	262
GI	none	Score	92
Exons	68..262, 116..262		

Seq. No.	33160	Seq. ID	OJ990318_06.0228.C20
Gene No.	68764	Strand	
Start	63	End	394
Name	OJ990318_06.0228.C20.o1.tc	Method	TBLASTX:Cress
Start	83	End	382
GI	none	Score	120
Exons	83..382, 90..374		

Seq. No.	33160	Seq. ID	OJ990318_06.0228.C20
Gene No.	68764	Strand	
Start	63	End	394
Name	OJ990318_06.0228.C20.o1.tm	Method	TBLASTX:Maize
Start	116	End	388
GI	none	Score	129
Exons	116..388, 120..383		

Seq. No.	33161	Seq. ID	OJ990318_06.0228.C28
Gene No.	68765	Strand	-
Start	139	End	1236
Name	OJ990318_06.0228.C28.o1.gp	Method	AAT/GAP
Start	139	End	1035
GI	uC-osflM202123g02b1	Score	369
Exons	139..301, 986..1035		
GI Descrip.	'6094303/sp|P56707|SMTA_ASTBI 1.0e-22 SELENOCYSTEINE METHYLTRANSFERASE (SECYS-METHYLTRANSFERASE) (SECYS-MT) >gi_4006848_emb_CAA10368_ (AJ131433) selenocysteine		

methyltransferase [Astragalus bisulcatus]'

Seq. No.	33161	Seq. ID	OJ990318_06.0228.C28
Gene No.	68765	Strand	-
Start	139	End	1236
Name	OJ990318_06.0228.C28.o1.tc	Method	TBLASTX:Cress
Start	142	End	1203
GI	none	Score	68
Exons	142..300, 997..1203, 1009..1179		

Seq. No.	33161	Seq. ID	OJ990318_06.0228.C28
Gene No.	68765	Strand	-
Start	139	End	1236
Name	OJ990318_06.0228.C28.o2.tm	Method	TBLASTX:Maize
Start	143	End	312
GI	none	Score	218
Exons	143..304, 143..307, 144..305, 145..309, 145..312		

Seq. No.	33161	Seq. ID	OJ990318_06.0228.C28
Gene No.	68765	Strand	-
Start	139	End	1236
Name	OJ990318_06.0228.C28.o1.tm	Method	TBLASTX:Maize
Start	982	End	1236
GI	none	Score	153
Exons	982..1167, 986..1231, 988..1236		

Seq. No.	33162	Seq. ID	OJ990318_06.0228.C30
Gene No.	68766	Strand	
Start	5016	End	5534
Name	OJ990318_06.0228.C30.o4.tw	Method	TBLASTX:Wheat
Start	5016	End	5397
GI	none	Score	165
Exons	5016..5396, 5047..5295, 5341..5397		

Seq. No.	33162	Seq. ID	OJ990318_06.0228.C30
Gene No.	68766	Strand	
Start	5016	End	5534
Name	OJ990318_06.0228.C30.o2.tm	Method	TBLASTX:Maize
Start	5211	End	5534
GI	none	Score	198
Exons	5211..5534, 5224..5517		

Seq. No.	33162	Seq. ID	OJ990318_06.0228.C30
Gene No.	68767	Strand	
Start	5727	End	9502
Name	OJ990318_06.0228.C30.o7.tw	Method	TBLASTX:Wheat
Start	5727	End	6039
GI	none	Score	55
Exons	5727..5987, 5838..6026, 5863..6039		

Seq. No.	33162	Seq. ID	OJ990318_06.0228.C30
Gene No.	68767	Strand	
Start	5727	End	9502
Name	OJ990318_06.0228.C30.o2.ts	Method	TBLASTX:Soybean
Start	5787	End	6353
GI	5666795	Score	68
Exons	5787..5987, 6042..6179, 6255..6353		

GI Descrip. 4206306 2.0e-10 (AF049110) prpol [Zea mays]

Seq. No.	33162	Seq. ID	OJ990318_06.0228.C30
Gene No.	68767	Strand	
Start	5727	End	9502
Name	OJ990318_06.0228.C30.o5.tw	Method	TBLASTX:Wheat
Start	6042	End	9502
GI	none	Score	92
Exons	6042..6182, 6043..6180, 6238..6411, 6252..6500, 6252..6476, 9449..9502		

Seq. No.	33162	Seq. ID	OJ990318_06.0228.C30
Gene No.	68767	Strand	
Start	5727	End	9502
Name	OJ990318_06.0228.C30.o1.ts	Method	TBLASTX:Soybean
Start	7101	End	7472
GI	none	Score	90
Exons	7101..7472, 7312..7455		

Seq. No.	33162	Seq. ID	OJ990318_06.0228.C30
Gene No.	68767	Strand	
Start	5727	End	9502
Name	OJ990318_06.0228.C30.o2.tw	Method	TBLASTX:Wheat
Start	7126	End	7550
GI	none	Score	328
Exons	7126..7545, 7131..7550		

Seq. No.	33162	Seq. ID	OJ990318_06.0228.C30
Gene No.	68767	Strand	
Start	5727	End	9502
Name	OJ990318_06.0228.C30.o3.tm	Method	TBLASTX:Maize
Start	7224	End	7608
GI	none	Score	221
Exons	7224..7607, 7243..7608		

Seq. No.	33162	Seq. ID	OJ990318_06.0228.C30
Gene No.	68767	Strand	
Start	5727	End	9502
Name	OJ990318_06.0228.C30.o1.tm	Method	TBLASTX:Maize
Start	7635	End	7991
GI	none	Score	115
Exons	7635..7940, 7635..7991, 7645..7956		

Seq. No.	33162	Seq. ID	OJ990318_06.0228.C30
Gene No.	68767	Strand	
Start	5727	End	9502
Name	OJ990318_06.0228.C30.o1.tw	Method	TBLASTX:Wheat
Start	7659	End	8121
GI	none	Score	400
Exons	7659..8120, 7660..8121		

Seq. No.	33162	Seq. ID	OJ990318_06.0228.C30
Gene No.	68767	Strand	
Start	5727	End	9502
Name	OJ990318_06.0228.C30.o3.ts	Method	TBLASTX:Soybean
Start	7716	End	8081
GI	none	Score	117

Exons	7716..7850, 7857..8081		
Seq. No.	33162	Seq. ID	OJ990318_06.0228.C30
Gene No.	68767	Strand	
Start	5727	End	9502
Name	OJ990318_06.0228.C30.o3.tw	Method	TBLASTX:Wheat
Start	8286	End	8772
GI	none	Score	166
Exons	8286..8771, 8290..8577, 8599..8772		
Seq. No.	33162	Seq. ID	OJ990318_06.0228.C30
Gene No.	68768	Strand	
Start	9510	End	9824
Name	OJ990318_06.0228.C30.o6.tw	Method	TBLASTX:Wheat
Start	9510	End	9824
GI	none	Score	88
Exons	9510..9767, 9544..9783, 9750..9824, 9751..9822		
Seq. No.	33163	Seq. ID	OJ990318_06.0228.C36
Gene No.	68769	Strand	
Start	94	End	291
Name	OJ990318_06.0228.C36.o1.tm	Method	TBLASTX:Maize
Start	94	End	291
GI	none	Score	229
Exons	94..291, 95..256		
Seq. No.	33164	Seq. ID	OJ990318_06.0228.C37
Gene No.	68770	Strand	-
Start	177	End	1102
Name	OJ990318_06.0228.C37.o1.tc	Method	TBLASTX:Cress
Start	45	End	883
GI	none	Score	669
Exons	45..557, 55..561, 56..562, 359..568, 812..883		
Seq. No.	33164	Seq. ID	OJ990318_06.0228.C37
Gene No.	68770	Strand	-
Start	177	End	1102
Name	OJ990318_06.0228.C37.o1.ts	Method	TBLASTX:Soybean
Start	45	End	1102
GI	none	Score	683
Exons	45..557, 55..561, 56..562, 359..568, 783..956, 797..955, 974..1102		
Seq. No.	33164	Seq. ID	OJ990318_06.0228.C37
Gene No.	68770	Strand	-
Start	177	End	1102
Name	OJ990318_06.0228.C37.o2.tm	Method	TBLASTX:Maize
Start	93	End	261
GI	none	Score	284
Exons	93..260, 94..261, 94..258		
Seq. No.	33164	Seq. ID	OJ990318_06.0228.C37
Gene No.	68770	Strand	-
Start	177	End	1102
Name	OJ990318_06.0228.C37.o1.gp	Method	AAT/GAP
Start	177	End	618
GI	uC-osf1M202092b08b1	Score	831

Exons	177..618		
GI Descrip.	'118048/sp|P07888|CYF_ORYSA 5.0e-65 APOCYTOCHROME F PRECURSOR >gi_65615_pir__CFRZ plastoquinol--plastocyanin reductase (EC 1.10.99.1) cytochrome f precursor - rice chloroplast >gi_12000_emb_CAA33961_ (X15901) cytochrome f [Oryza sativa] >gi_226621_prf__1603356AU cytochrome f [Oryza sativa]'		

Seq. No.	33164	Seq. ID	OJ990318_06.0228.C37
Gene No.	68770	Strand	-
Start	177	End	1102
Name	OJ990318_06.0228.C37.o1.tm	Method	TBLASTX:Maize
Start	261	End	752
GI	none	Score	586
Exons	261..704, 261..701, 262..705, 705..752	359..706,	695..739, 703..741,

Seq. No.	33164	Seq. ID	OJ990318_06.0228.C37
Gene No.	68770	Strand	-
Start	177	End	1102
Name	OJ990318_06.0228.C37.o1.tw	Method	TBLASTX:Wheat
Start	367	End	763
GI	none	Score	195
Exons	367..492, 368..487, 370..489, 496..687, 643..759, 690..743,	494..595,	494..682, 495..707, 692..763

Seq. No.	33165	Seq. ID	OJ990318_06.0228.C38
Gene No.	68771	Strand	-
Start	1	End	3896
Name	OJ990318_06.0228.C38.o1.gp	Method	AAT/GAP
Start	1	End	3896
GI	25929_1.R1084	Score	2668
Exons	1..521, 929..1070, 1136..1484, 2466..2770, 3790..3896		
GI Descrip.	'2829911 1.0e-108 (AC002291) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	33165	Seq. ID	OJ990318_06.0228.C38
Gene No.	68771	Strand	-
Start	1	End	3896
Name	OJ990318_06.0228.C38.o1.tm	Method	TBLASTX:Maize
Start	133	End	1294
GI	none	Score	260
Exons	133..339, 137..331, 231..338, 940..1035, 948..1037, 981..1070,	379..420, 1205..1294	401..526, 409..528,

Seq. No.	33165	Seq. ID	OJ990318_06.0228.C38
Gene No.	68771	Strand	-
Start	1	End	3896
Name	OJ990318_06.0228.C38.o1.tc	Method	TBLASTX:Cress
Start	169	End	1070
GI	none	Score	111
Exons	169..339, 188..331, 421..519,	422..520,	984..1070

Seq. No.	33165	Seq. ID	OJ990318_06.0228.C38
Gene No.	68771	Strand	-
Start	1	End	3896
Name	OJ990318_06.0228.C38.o1.ts	Method	TBLASTX:Soybean
Start	169	End	2602

GI	none	Score	195
Exons	169..339, 170..331, 391..522, 392..523, 421..522, 424..525, 924..1073, 924..1076, 925..1056, 926..1057, 930..1082, 930..1067, 931..1074, 939..1067, 984..1070, 1111..1272, 1134..1472, 1135..1473, 1136..1483, 1142..1486, 1208..1294, 1324..1485, 2463..2555, 2465..2554, 2537..2602		

Seq. No.	33165	Seq. ID	OJ990318_06.0228.C38
Gene No.	68771	Strand	-
Start	1	End	3896
Name	OJ990318_06.0228.C38.o2.tm	Method	TBLASTX:Maize
Start	1074	End	2729
GI	none	Score	65
Exons	1074..1172, 1113..1202, 1126..1203, 1295..1486, 1352..1483, 2463..2729, 2463..2615, 2465..2704, 2664..2711		

Seq. No.	33166	Seq. ID	OJ990318_06.0228.C42
Gene No.	68772	Strand	
Start	21	End	1006
Name	OJ990318_06.0228.C42.o1.tc	Method	TBLASTX:Cress
Start	21	End	1006
GI	none	Score	56
Exons	21..212, 65..274, 65..595, 89..361, 248..346, 324..503, 329..472, 359..535, 359..535, 446..631, 452..613, 545..634, 638..763, 644..997, 719..1006, 831..914		

Seq. No.	33166	Seq. ID	OJ990318_06.0228.C42
Gene No.	68772	Strand	
Start	21	End	1006
Name	OJ990318_06.0228.C42.o1.tm	Method	TBLASTX:Maize
Start	65	End	907
GI	none	Score	100
Exons	65..223, 146..610, 267..581, 452..619, 644..904, 836..907		

Seq. No.	33166	Seq. ID	OJ990318_06.0228.C42
Gene No.	68772	Strand	
Start	21	End	1006
Name	OJ990318_06.0228.C42.o1.ts	Method	TBLASTX:Soybean
Start	65	End	874
GI	none	Score	58
Exons	65..193, 113..496, 453..584, 461..583, 782..844, 785..874		

Seq. No.	33166	Seq. ID	OJ990318_06.0228.C42
Gene No.	68772	Strand	
Start	21	End	1006
Name	OJ990318_06.0228.C42.o1.tw	Method	TBLASTX:Wheat
Start	116	End	997
GI	none	Score	387
Exons	116..499, 117..503, 117..500, 419..538, 461..595, 512..604, 562..630, 644..787, 782..880, 797..916, 797..997		

Seq. No.	33166	Seq. ID	OJ990318_06.0228.C42
Gene No.	68773	Strand	
Start	935	End	1173
Name	OJ990318_06.0228.C42.o2.tm	Method	TBLASTX:Maize
Start	935	End	1173
GI	none	Score	128

Exons	935..1171, 957..1172, 1105..1173		
Seq. No.	33167	Seq. ID	OJ990318_06.0228.C44
Gene No.	68774	Strand	
Start	72	End	818
Name	OJ990318_06.0228.C44.o1.tc	Method	TBLASTX:Cress
Start	72	End	353
GI	none	Score	203
Exons	72..353		
Seq. No.	33167	Seq. ID	OJ990318_06.0228.C44
Gene No.	68774	Strand	
Start	72	End	818
Name	OJ990318_06.0228.C44.o1.tm	Method	TBLASTX:Maize
Start	72	End	818
GI	none	Score	129
Exons	72..353, 519..578, 568..798, 618..818		
Seq. No.	33167	Seq. ID	OJ990318_06.0228.C44
Gene No.	68774	Strand	
Start	72	End	818
Name	OJ990318_06.0228.C44.o1.ts	Method	TBLASTX:Soybean
Start	546	End	815
GI	none	Score	55
Exons	546..578, 600..734, 610..804, 618..815		
Seq. No.	33168	Seq. ID	OJ990318_06.0228.C50
Gene No.	68775	Strand	-
Start	189	End	319
Name	OJ990318_06.0228.C50.o1.gp	Method	AAT/GAP
Start	189	End	319
GI	18962_2.R1084	Score	189
Exons	189..319		
GI Descrip.	'3746882 2.0e-16 (AF086708) 26S proteasome subunit 11 [Homo sapiens]'		
Seq. No.	33169	Seq. ID	OJ990318_06.0228.C52
Gene No.	68776	Strand	+
Start	903	End	961
Name	OJ990318_06.0228.C52.o1.gp	Method	AAT/GAP
Start	903	End	961
GI	LIB3477-003-P1-K1-E9	Score	79
Exons	903..961		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	33169	Seq. ID	OJ990318_06.0228.C52
Gene No.	68777	Strand	+
Start	1837	End	2120
Name	OJ990318_06.0228.C52.o2.gp	Method	AAT/GAP
Start	1837	End	2120
GI	none	Score	476
Exons	1837..2120		
Seq. No.	33169	Seq. ID	OJ990318_06.0228.C52
Gene No.	68778	Strand	+

Start	2403	End	2625
Name	OJ990318_06.0228.C52.o3.gp	Method	AAT/GAP
Start	2403	End	2625
GI	none	Score	288
Exons	2403..2568, 2607..2625		

Seq. No.	33170	Seq. ID	OJ990318_06.0228.C53
Gene No.	68779	Strand	-
Start	1	End	508
Name	OJ990318_06.0228.C53.o1.gp	Method	AAT/GAP
Start	1	End	508
GI	none	Score	909
Exons	1..508		

Seq. No.	33170	Seq. ID	OJ990318_06.0228.C53
Gene No.	68780	Strand	
Start	1591	End	1966
Name	OJ990318_06.0228.C53.o1.tm	Method	TBLASTX:Maize
Start	1591	End	1966
GI	none	Score	42
Exons	1591..1647, 1741..1965, 1742..1966		

Seq. No.	33170	Seq. ID	OJ990318_06.0228.C53
Gene No.	68781	Strand	
Start	11586	End	12069
Name	OJ990318_06.0228.C53.o2.tm	Method	TBLASTX:Maize
Start	11586	End	12000
GI	none	Score	154
Exons	11586..11843, 11618..11761, 11619..11792, 11865..11912, 11923..12000		

Seq. No.	33170	Seq. ID	OJ990318_06.0228.C53
Gene No.	68781	Strand	
Start	11586	End	12069
Name	OJ990318_06.0228.C53.o1.tw	Method	TBLASTX:Wheat
Start	11720	End	12069
GI	none	Score	226
Exons	11720..11911, 11721..11912, 11919..12062, 11925..12062, 11926..12069		

Seq. No.	33171	Seq. ID	OJ990318_06.0228.C56
Gene No.	68782	Strand	
Start	274	End	745
Name	OJ990318_06.0228.C56.o1.tm	Method	TBLASTX:Maize
Start	274	End	745
GI	none	Score	416
Exons	274..618, 279..740, 665..742, 671..745		

Seq. No.	33171	Seq. ID	OJ990318_06.0228.C56
Gene No.	68782	Strand	
Start	274	End	745
Name	OJ990318_06.0228.C56.o1.tw	Method	TBLASTX:Wheat
Start	487	End	638
GI	none	Score	109
Exons	487..618, 487..633, 489..638, 498..623		

Seq. No.	33172	Seq. ID	OJ990318_06.0228.C57

Gene No.	68783	Strand	+
Start	1	End	433
Name	OJ990318_06.0228.C57.o1.gp	Method	AAT/GAP
Start	1	End	433
GI	uC-osroM202025c11a1	Score	767
Exons	1..433		
GI Descrip.	'2258469 0.0e+00 (AF009179) replication protein A1 [Oryza sativa]'		

Seq. No.	33173	Seq. ID	OJ990318_06.0228.C59
Gene No.	68784	Strand	+
Start	1362	End	1607
Name	OJ990318_06.0228.C59.o1.gp	Method	AAT/GAP
Start	1362	End	1607
GI	3760033	Score	391
Exons	1362..1607		

Seq. No.	33174	Seq. ID	OJ990318_06.0228.C60
Gene No.	68785	Strand	-
Start	7134	End	8361
Name	OJ990318_06.0228.C60.o1.gp	Method	AAT/GAP
Start	7134	End	8361
GI	2342_1.R1084	Score	1182
Exons	7134..7515, 7642..7731, 8209..8361		
GI Descrip.	'3426051 4.0e-25 (AC005168) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	33174	Seq. ID	OJ990318_06.0228.C60
Gene No.	68786	Strand	-
Start	8547	End	9017
Name	OJ990318_06.0228.C60.o2.gp	Method	AAT/GAP
Start	8547	End	9017
GI	9200_1.R1084	Score	349
Exons	8547..8700, 8792..8843, 8936..9017		
GI Descrip.	'3426051 9.0e-41 (AC005168) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	33174	Seq. ID	OJ990318_06.0228.C60
Gene No.	68787	Strand	-
Start	11310	End	11538
Name	OJ990318_06.0228.C60.o2.tc	Method	TBLASTX:Cress
Start	7438	End	9020
GI	none	Score	66
Exons	7438..7497, 7439..7510, 7640..7732, 7643..7732, 7681..7734, 8209..8259, 8210..8260, 8258..8371, 8260..8370, 8261..8374, 8600..8701, 8604..8702, 8793..8843, 8928..9020, 8936..9019		

Seq. No.	33174	Seq. ID	OJ990318_06.0228.C60
Gene No.	68787	Strand	-
Start	11310	End	11538
Name	OJ990318_06.0228.C60.o3.tc	Method	TBLASTX:Cress
Start	10344	End	11373
GI	none	Score	182
Exons	10344..10475, 10344..10457, 10346..10498, 11304..11372, 11311..11373		

Seq. No.	33174	Seq. ID	OJ990318_06.0228.C60

Gene No.	68787	Strand	-
Start	11310	End	11538
Name	OJ990318_06.0228.C60.o3.gp	Method	AAT/GAP
Start	11310	End	11538
GI	9200_1.R1084	Score	144
Exons	11310..11372, 11480..11538		
GI Descrip.	'3426051 9.0e-41 (AC005168) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	33174	Seq. ID	OJ990318_06.0228.C60
Gene No.	68788	Strand	
Start	11477	End	11976
Name	OJ990318_06.0228.C60.o1.tc	Method	TBLASTX:Cress
Start	11477	End	11976
GI	none	Score	138
Exons	11477..11593, 11478..11594, 11676..11735, 11846..11968, 11851..11976		

Seq. No.	33174	Seq. ID	OJ990318_06.0228.C60
Gene No.	68789	Strand	
Start	15457	End	15864
Name	OJ990318_06.0228.C60.o3.tw	Method	TBLASTX:Wheat
Start	15457	End	15864
GI	none	Score	166
Exons	15457..15612, 15661..15864		

Seq. No.	33174	Seq. ID	OJ990318_06.0228.C60
Gene No.	68790	Strand	
Start	16255	End	17449
Name	OJ990318_06.0228.C60.o4.tw	Method	TBLASTX:Wheat
Start	16255	End	16443
GI	none	Score	101
Exons	16255..16443, 16262..16402		

Seq. No.	33174	Seq. ID	OJ990318_06.0228.C60
Gene No.	68790	Strand	
Start	16255	End	17449
Name	OJ990318_06.0228.C60.o1.tm	Method	TBLASTX:Maize
Start	16304	End	16653
GI	none	Score	144
Exons	16304..16639, 16312..16653		

Seq. No.	33174	Seq. ID	OJ990318_06.0228.C60
Gene No.	68790	Strand	
Start	16255	End	17449
Name	OJ990318_06.0228.C60.o1.ts	Method	TBLASTX:Soybean
Start	16321	End	16740
GI	none	Score	106
Exons	16321..16539, 16322..16522, 16537..16740, 16541..16657		

Seq. No.	33174	Seq. ID	OJ990318_06.0228.C60
Gene No.	68790	Strand	
Start	16255	End	17449
Name	OJ990318_06.0228.C60.o2.tw	Method	TBLASTX:Wheat
Start	16444	End	16861
GI	none	Score	147
Exons	16444..16506, 16459..16773, 16477..16860, 16478..16861		

Seq. No.	33174	Seq. ID	OJ990318_06.0228.C60
Gene No.	68790	Strand	
Start	16255	End	17449
Name	OJ990318_06.0228.C60.o2.tm	Method	TBLASTX:Maize
Start	16660	End	17449
GI	none	Score	99
Exons	16660..16743, 16825..16965, 17023..17205, 17213..17302, 17285..17449		

Seq. No.	33174	Seq. ID	OJ990318_06.0228.C60
Gene No.	68790	Strand	
Start	16255	End	17449
Name	OJ990318_06.0228.C60.o1.tw	Method	TBLASTX:Wheat
Start	17035	End	17405
GI	none	Score	169
Exons	17035..17199, 17036..17206, 17051..17200, 17213..17404, 17214..17405		

Seq. No.	33175	Seq. ID	OJ990318_06.0228.C64
Gene No.	68791	Strand	-
Start	164	End	2114
Name	OJ990318_06.0228.C64.o1.gp	Method	AAT/GAP
Start	164	End	2114
GI	none	Score	1392
Exons	164..582, 1784..2114		

Seq. No.	33176	Seq. ID	OJ990318_06.0228.C66
Gene No.	68792	Strand	+
Start	31	End	3320
Name	OJ990318_06.0228.C66.o1.gp	Method	AAT/GAP
Start	31	End	285
GI	uC-osflm202112e03b1	Score	438
Exons	31..285		
GI Descrip.	'2104949 4.0e-53 (U96716) MAP kinase-like protein [Selaginella lepidophylla]'		

Seq. No.	33176	Seq. ID	OJ990318_06.0228.C66
Gene No.	68792	Strand	+
Start	31	End	3320
Name	OJ990318_06.0228.C66.o1.ts	Method	TBLASTX:Soybean
Start	40	End	588
GI	none	Score	553
Exons	40..198, 46..423, 105..425, 535..588, 536..580		

Seq. No.	33176	Seq. ID	OJ990318_06.0228.C66
Gene No.	68792	Strand	+
Start	31	End	3320
Name	OJ990318_06.0228.C66.o1.tc	Method	TBLASTX:Cress
Start	46	End	413
GI	none	Score	517
Exons	46..411, 54..146, 207..413		

Seq. No.	33176	Seq. ID	OJ990318_06.0228.C66
Gene No.	68792	Strand	+
Start	31	End	3320
Name	OJ990318_06.0228.C66.o1.tm	Method	TBLASTX:Maize

Start	46	End	3320
GI	none	Score	542
Exons	46..423, 54..425, 526..591, 536..580, 827..985, 828..989, 2479..2634, 2480..2635, 2730..2876, 2941..3024, 3195..3320, 3215..3316		

Seq. No.	33176	Seq. ID	OJ990318_06.0228.C66
Gene No.	68792	Strand	+
Start	31	End	3320
Name	OJ990318_06.0228.C66.o1.tw	Method	TBLASTX:Wheat
Start	73	End	417
GI	none	Score	69
Exons	73..198, 75..221, 103..300, 105..287, 291..416, 292..417		

Seq. No.	33176	Seq. ID	OJ990318_06.0228.C66
Gene No.	68792	Strand	+
Start	31	End	3320
Name	OJ990318_06.0228.C66.o2.tc	Method	TBLASTX:Cress
Start	535	End	1001
GI	none	Score	89
Exons	535..591, 536..580, 725..748, 824..988, 828..1001, 839..1000		

Seq. No.	33176	Seq. ID	OJ990318_06.0228.C66
Gene No.	68792	Strand	+
Start	31	End	3320
Name	OJ990318_06.0228.C66.o2.ts	Method	TBLASTX:Soybean
Start	824	End	3320
GI	none	Score	142
Exons	824..988, 828..989, 836..988, 847..990, 2480..2635, 2482..2634, 2730..2876, 2953..3024, 3216..3275, 3288..3320		

Seq. No.	33176	Seq. ID	OJ990318_06.0228.C66
Gene No.	68792	Strand	+
Start	31	End	3320
Name	OJ990318_06.0228.C66.o4.tc	Method	TBLASTX:Cress
Start	2479	End	2634
GI	none	Score	201
Exons	2479..2634, 2480..2629		

Seq. No.	33176	Seq. ID	OJ990318_06.0228.C66
Gene No.	68792	Strand	+
Start	31	End	3320
Name	OJ990318_06.0228.C66.o3.tc	Method	TBLASTX:Cress
Start	2733	End	3320
GI	none	Score	187
Exons	2733..2876, 2941..3024, 3204..3320		

Seq. No.	33177	Seq. ID	OJ990318_06.0228.C70
Gene No.	68793	Strand	+
Start	36	End	412
Name	OJ990318_06.0228.C70.o1.gp	Method	AAT/GAP
Start	36	End	412
GI	31975_1.R1084	Score	709
Exons	36..412		
GI Descrip.	'3540195 1.0e-35 (AC004260) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	33177	Seq. ID	OJ990318_06.0228.C70
Gene No.	68793	Strand	+
Start	36	End	412
Name	OJ990318_06.0228.C70.o1.tm	Method	TBLASTX:Maize
Start	37	End	286
GI	none	Score	207
Exons	37..165, 38..178, 234..284, 235..285, 236..286		

Seq. No.	33177	Seq. ID	OJ990318_06.0228.C70
Gene No.	68793	Strand	+
Start	36	End	412
Name	OJ990318_06.0228.C70.o1.tw	Method	TBLASTX:Wheat
Start	38	End	196
GI	none	Score	184
Exons	38..190, 39..122, 49..126, 134..196		

Seq. No.	33178	Seq. ID	OJ990318_06.0228.C75
Gene No.	68794	Strand	+
Start	1	End	590
Name	OJ990318_06.0228.C75.o1.gp	Method	AAT/GAP
Start	1	End	333
GI	67783_1.R1084	Score	449
Exons	1..333		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	33178	Seq. ID	OJ990318_06.0228.C75
Gene No.	68794	Strand	+
Start	1	End	590
Name	OJ990318_06.0228.C75.o1.tc	Method	TBLASTX:Cress
Start	113	End	590
GI	none	Score	156
Exons	113..262, 118..252, 185..388, 283..360, 422..589, 447..590		

Seq. No.	33178	Seq. ID	OJ990318_06.0228.C75
Gene No.	68794	Strand	+
Start	1	End	590
Name	OJ990318_06.0228.C75.o1.tw	Method	TBLASTX:Wheat
Start	113	End	265
GI	none	Score	174
Exons	113..265, 133..258		

Seq. No.	33178	Seq. ID	OJ990318_06.0228.C75
Gene No.	68794	Strand	+
Start	1	End	590
Name	OJ990318_06.0228.C75.o1.tm	Method	TBLASTX:Maize
Start	113	End	590
GI	none	Score	168
Exons	113..274, 118..258, 191..388, 304..369, 434..589, 447..590		

Seq. No.	33178	Seq. ID	OJ990318_06.0228.C75
Gene No.	68794	Strand	+
Start	1	End	590
Name	OJ990318_06.0228.C75.o1.ts	Method	TBLASTX:Soybean
Start	113	End	590
GI	none	Score	165
Exons	113..268, 118..258, 293..388, 304..369, 437..589, 447..590		

Seq. No.	33178	Seq. ID	OJ990318_06.0228.C75
Gene No.	68795	Strand	
Start	1375	End	1743
Name	OJ990318_06.0228.C75.o2.tc	Method	TBLASTX:Cress
Start	1375	End	1743
GI	none	Score	71
Exons	1375..1545, 1409..1534, 1616..1735, 1618..1743		

Seq. No.	33179	Seq. ID	OJ990318_06.0228.C80
Gene No.	68796	Strand	
Start	116	End	321
Name	OJ990318_06.0228.C80.o1.tm	Method	TBLASTX:Maize
Start	116	End	321
GI	none	Score	209
Exons	116..268, 125..316, 126..317, 127..321, 133..321		

Seq. No.	33180	Seq. ID	OJ990318_06.0228.C81
Gene No.	68797	Strand	-
Start	481	End	651
Name	OJ990318_06.0228.C81.o1.gp	Method	AAT/GAP
Start	481	End	651
GI	uC-osf1M202062f05b1	Score	254
Exons	481..651		
GI Descrip.	'3540195 1.0e-35 (AC004260) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	33180	Seq. ID	OJ990318_06.0228.C81
Gene No.	68798	Strand	-
Start	1175	End	1346
Name	OJ990318_06.0228.C81.o2.gp	Method	AAT/GAP
Start	1175	End	1346
GI	uC-osf1M202062f05b1	Score	233
Exons	1175..1346		
GI Descrip.	'3540195 1.0e-35 (AC004260) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	33181	Seq. ID	OJ990318_06.0228.C86
Gene No.	68799	Strand	-
Start	1407	End	1767
Name	OJ990318_06.0228.C86.o1.ts	Method	TBLASTX:Soybean
Start	121	End	507
GI	none	Score	176
Exons	121..315, 346..507		

Seq. No.	33181	Seq. ID	OJ990318_06.0228.C86
Gene No.	68799	Strand	-
Start	1407	End	1767
Name	OJ990318_06.0228.C86.o2.tc	Method	TBLASTX:Cress
Start	139	End	471
GI	none	Score	151
Exons	139..291, 144..290, 346..471, 366..470		

Seq. No.	33181	Seq. ID	OJ990318_06.0228.C86
Gene No.	68799	Strand	-
Start	1407	End	1767
Name	OJ990318_06.0228.C86.o2.tm	Method	TBLASTX:Maize

Start	142	End	477
GI	none	Score	185
Exons	142..324, 142..297, 346..477		

Seq. No.	33181	Seq. ID	OJ990318_06.0228.C86
Gene No.	68799	Strand	-
Start	1407	End	1767
Name	OJ990318_06.0228.C86.o1.gp	Method	AAT/GAP
Start	1407	End	1744
GI	487298	Score	543
Exons	1407..1744		
GI Descrip.	487298/dbj|D29997|RICEN265 0.0e+00 Rice mRNA EN26, partial sequence		

Seq. No.	33181	Seq. ID	OJ990318_06.0228.C86
Gene No.	68799	Strand	-
Start	1407	End	1767
Name	OJ990318_06.0228.C86.o1.tm	Method	TBLASTX:Maize
Start	1477	End	1758
GI	none	Score	163
Exons	1477..1524, 1478..1756, 1585..1758		

Seq. No.	33181	Seq. ID	OJ990318_06.0228.C86
Gene No.	68799	Strand	-
Start	1407	End	1767
Name	OJ990318_06.0228.C86.o2.ts	Method	TBLASTX:Soybean
Start	1489	End	1767
GI	none	Score	103
Exons	1489..1518, 1585..1635, 1639..1767, 1652..1765		

Seq. No.	33181	Seq. ID	OJ990318_06.0228.C86
Gene No.	68799	Strand	-
Start	1407	End	1767
Name	OJ990318_06.0228.C86.o1.tw	Method	TBLASTX:Wheat
Start	1570	End	1767
GI	none	Score	49
Exons	1570..1635, 1585..1635, 1639..1767, 1652..1765		

Seq. No.	33181	Seq. ID	OJ990318_06.0228.C86
Gene No.	68799	Strand	-
Start	1407	End	1767
Name	OJ990318_06.0228.C86.o1.tc	Method	TBLASTX:Cress
Start	1585	End	1767
GI	none	Score	97
Exons	1585..1767, 1652..1765		

Seq. No.	33182	Seq. ID	OJ990318_06.0228.C87
Gene No.	68800	Strand	+
Start	2776	End	3013
Name	OJ990318_06.0228.C87.o2.gp	Method	AAT/GAP
Start	2776	End	3013
GI	5867_1.R1084	Score	138
Exons	2776..2804, 2918..3013		
GI Descrip.	'464986/sp|P35132|UBC9 ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis		

thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'

Seq. No.	33183	Seq. ID	OJ990318_06.0228.C88
Gene No.	68801	Strand	+
Start	2894	End	3376
Name	OJ990318_06.0228.C88.o1.tm	Method	TBLASTX:Maize
Start	635	End	884
GI	none	Score	331
Exons	635..871, 636..884, 798..884		

Seq. No.	33183	Seq. ID	OJ990318_06.0228.C88
Gene No.	68801	Strand	+
Start	2894	End	3376
Name	OJ990318_06.0228.C88.o1.tc	Method	TBLASTX:Cress
Start	647	End	874
GI	none	Score	115
Exons	647..874, 650..859, 651..860		

Seq. No.	33183	Seq. ID	OJ990318_06.0228.C88
Gene No.	68801	Strand	+
Start	2894	End	3376
Name	OJ990318_06.0228.C88.o1.ts	Method	TBLASTX:Soybean
Start	710	End	863
GI	none	Score	189
Exons	710..862, 711..863		

Seq. No.	33183	Seq. ID	OJ990318_06.0228.C88
Gene No.	68801	Strand	+
Start	2894	End	3376
Name	OJ990318_06.0228.C88.o2.tm	Method	TBLASTX:Maize
Start	2547	End	2918
GI	none	Score	82
Exons	2547..2642, 2553..2624, 2675..2791, 2702..2803, 2707..2802, 2788..2904, 2789..2917, 2796..2918, 2805..2918		

Seq. No.	33183	Seq. ID	OJ990318_06.0228.C88
Gene No.	68801	Strand	+
Start	2894	End	3376
Name	OJ990318_06.0228.C88.o1.gp	Method	AAT/GAP
Start	2894	End	3376
GI	uC-osroM202008e08a1	Score	913
Exons	2894..3376		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 2.0e-09 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	33184	Seq. ID	OJ990318_06.0228.C89
Gene No.	68802	Strand	-
Start	309	End	648
Name	OJ990318_06.0228.C89.o1.gp	Method	AAT/GAP
Start	309	End	648
GI	uC-osroM202008e08b1	Score	668
Exons	309..648		
GI Descrip.	'2459424 5.0e-13 (AC002332) unknown protein [Arabidopsis thaliana]'		

Seq. No.	33184	Seq. ID	OJ990318_06.0228.C89
Gene No.	68802	Strand	-
Start	309	End	648
Name	OJ990318_06.0228.C89.o1.tm	Method	TBLASTX:Maize
Start	388	End	590
GI	none	Score	108
Exons	388..537, 395..481, 537..572,	537..590	

Seq. No.	33185	Seq. ID	OJ990318_06.0228.C90
Gene No.	68803	Strand	
Start	249	End	695
Name	OJ990318_06.0228.C90.o1.tc	Method	TBLASTX:Cress
Start	249	End	695
GI	none	Score	138
Exons	249..365, 250..366, 253..381,	448..507, 618..695, 623..694	

Seq. No.	33186	Seq. ID	OJ990318_06.0228.C96
Gene No.	68804	Strand	+
Start	1	End	189
Name	OJ990318_06.0228.C96.o1.gp	Method	AAT/GAP
Start	1	End	189
GI	71335_1.R1084	Score	325
Exons	1..189		
GI Descrip.	'4914451/emb|CAB43691.1| 9.0e-11 (AL050398) dimethylaniline monooxygenase-like protein [Arabidopsis thaliana]'		

Seq. No.	33187	Seq. ID	OJ990408_09.0211.C1
Gene No.	68805	Strand	+
Start	437	End	495
Name	OJ990408_09.0211.C1.o1.gs	Method	GENSCAN
Start	437	End	495
GI	none	Score	.49
Exons	437..495		

Seq. No.	33188	Seq. ID	OJ990408_09.0211.C3
Gene No.	68806	Strand	-
Start	228	End	3113
Name	OJ990408_09.0211.C3.o4.tm	Method	TBLASTX:Maize
Start	216	End	573
GI	none	Score	185
Exons	216..266, 285..434, 304..573,	489..572	

Seq. No.	33188	Seq. ID	OJ990408_09.0211.C3
Gene No.	68806	Strand	-
Start	228	End	3113
Name	OJ990408_09.0211.C3.o1.gs	Method	GENSCAN
Start	228	End	2233
GI	none	Score	.87
Exons	228..646, 668..847, 958..2233		

Seq. No.	33188	Seq. ID	OJ990408_09.0211.C3
Gene No.	68806	Strand	-
Start	228	End	3113
Name	OJ990408_09.0211.C3.o1.np	Method	AAT/NAP
Start	231	End	3113
GI	3236253	Score	1629
Exons	231..2196, 3080..3113		

GI Descrip. (AC004684) putative receptor-like protein kinase [Arabidopsis thaliana]

Seq. No.	33188	Seq. ID	OJ990408_09.0211.C3
Gene No.	68806	Strand	-
Start	228	End	3113
Name	OJ990408_09.0211.C3.o1.tc	Method	TBLASTX:Cress
Start	342	End	2128
GI	none	Score	72
Exons	342..434, 352..561, 504..587, 555..815, 595..816, 756..917, 806..913, 932..1708, 939..1127, 941..1402, 1398..1703, 1454..1720, 1697..2128, 1701..1931		

Seq. No.	33188	Seq. ID	OJ990408_09.0211.C3
Gene No.	68806	Strand	-
Start	228	End	3113
Name	OJ990408_09.0211.C3.o1.tm	Method	TBLASTX:Maize
Start	585	End	1161
GI	none	Score	224
Exons	585..815, 586..816, 804..935, 806..943, 903..1133, 917..1141, 943..1161		

Seq. No.	33188	Seq. ID	OJ990408_09.0211.C3
Gene No.	68806	Strand	-
Start	228	End	3113
Name	OJ990408_09.0211.C3.o1.ts	Method	TBLASTX:Soybean
Start	702	End	1210
GI	none	Score	72
Exons	702..815, 703..798, 795..917, 806..922, 932..1210, 933..1118, 941..1198		

Seq. No.	33188	Seq. ID	OJ990408_09.0211.C3
Gene No.	68806	Strand	-
Start	228	End	3113
Name	OJ990408_09.0211.C3.o2.tw	Method	TBLASTX:Wheat
Start	753	End	1078
GI	none	Score	198
Exons	753..815, 806..1078		

Seq. No.	33188	Seq. ID	OJ990408_09.0211.C3
Gene No.	68806	Strand	-
Start	228	End	3113
Name	OJ990408_09.0211.C3.o1.tw	Method	TBLASTX:Wheat
Start	1214	End	1544
GI	none	Score	178
Exons	1214..1255, 1259..1537, 1341..1544		

Seq. No.	33188	Seq. ID	OJ990408_09.0211.C3
Gene No.	68806	Strand	-
Start	228	End	3113
Name	OJ990408_09.0211.C3.o2.tm	Method	TBLASTX:Maize
Start	1379	End	1787
GI	none	Score	276
Exons	1379..1786, 1398..1787		

Seq. No.	33188	Seq. ID	OJ990408_09.0211.C3
Gene No.	68806	Strand	-

Start	228	End	3113
Name	OJ990408_09.0211.C3.o2.ts	Method	TBLASTX:Soybean
Start	1535	End	2149
GI	none	Score	101
Exons	1535..1582, 1706..1888, 1733..1882, 1895..2149		

Seq. No.	33188	Seq. ID	OJ990408_09.0211.C3
Gene No.	68806	Strand	-
Start	228	End	3113
Name	OJ990408_09.0211.C3.o3.tw	Method	TBLASTX:Wheat
Start	1544	End	1787
GI	none	Score	54
Exons	1544..1786, 1552..1641, 1554..1787		

Seq. No.	33188	Seq. ID	OJ990408_09.0211.C3
Gene No.	68806	Strand	-
Start	228	End	3113
Name	OJ990408_09.0211.C3.o3.tm	Method	TBLASTX:Maize
Start	1790	End	2212
GI	none	Score	55
Exons	1790..2002, 1803..1991, 1997..2212, 2028..2195		

Seq. No.	33189	Seq. ID	OJ990408_09.0211.C4
Gene No.	68807	Strand	+
Start	1	End	1623
Name	OJ990408_09.0211.C4.o1.np	Method	AAT/NAP
Start	1	End	1623
GI	1418331	Score	1520
Exons	1..1623		
GI Descrip.	(X95909) receptor like protein kinase [Arabidopsis thaliana]		

Seq. No.	33189	Seq. ID	OJ990408_09.0211.C4
Gene No.	68807	Strand	+
Start	1	End	1623
Name	OJ990408_09.0211.C4.o2.ts	Method	TBLASTX:Soybean
Start	1	End	458
GI	none	Score	71
Exons	1..66, 168..362, 173..340, 208..345, 354..458		

Seq. No.	33189	Seq. ID	OJ990408_09.0211.C4
Gene No.	68807	Strand	+
Start	1	End	1623
Name	OJ990408_09.0211.C4.o1.tc	Method	TBLASTX:Cress
Start	16	End	1622
GI	none	Score	48
Exons	16..81, 69..122, 125..340, 126..359, 174..341, 348..1121, 380..679, 537..698, 755..1120, 942..1121, 1045..1131, 1143..1469, 1175..1465, 1494..1622, 1496..1621		

Seq. No.	33189	Seq. ID	OJ990408_09.0211.C4
Gene No.	68807	Strand	+
Start	1	End	1623
Name	OJ990408_09.0211.C4.o2.tm	Method	TBLASTX:Maize
Start	269	End	677
GI	none	Score	441
Exons	269..340, 270..677, 270..602, 380..655		

Seq. No.	33189	Seq. ID	OJ990408_09.0211.C4
Gene No.	68807	Strand	+
Start	1	End	1623
Name	OJ990408_09.0211.C4.o3.tw	Method	TBLASTX:Wheat
Start	269	End	515
GI	none	Score	227
Exons	269..328, 270..515, 401..514		

Seq. No.	33189	Seq. ID	OJ990408_09.0211.C4
Gene No.	68807	Strand	+
Start	1	End	1623
Name	OJ990408_09.0211.C4.o1.tw	Method	TBLASTX:Wheat
Start	516	End	842
GI	none	Score	289
Exons	516..797, 518..796, 785..835, 801..842		

Seq. No.	33189	Seq. ID	OJ990408_09.0211.C4
Gene No.	68807	Strand	+
Start	1	End	1623
Name	OJ990408_09.0211.C4.o1.ts	Method	TBLASTX:Soybean
Start	845	End	1355
GI	none	Score	347
Exons	845..1117, 846..1121, 1134..1355, 1139..1354		

Seq. No.	33189	Seq. ID	OJ990408_09.0211.C4
Gene No.	68807	Strand	+
Start	1	End	1623
Name	OJ990408_09.0211.C4.o2.tw	Method	TBLASTX:Wheat
Start	867	End	1300
GI	none	Score	214
Exons	867..1142, 875..913, 966..1151, 1143..1298, 1166..1300		

Seq. No.	33189	Seq. ID	OJ990408_09.0211.C4
Gene No.	68807	Strand	+
Start	1	End	1623
Name	OJ990408_09.0211.C4.o1.tm	Method	TBLASTX:Maize
Start	896	End	1472
GI	none	Score	348
Exons	896..1153, 897..1148, 1127..1453, 1130..1462, 1143..1472		

Seq. No.	33189	Seq. ID	OJ990408_09.0211.C4
Gene No.	68807	Strand	+
Start	1	End	1623
Name	OJ990408_09.0211.C4.o1.gp	Method	AAT/GAP
Start	1233	End	1623
GI	uC-osflcyp033a12b1	Score	774
Exons	1233..1623		
GI Descrip.	'3193290 8.0e-45 (AF069298) contains similarity to a protein kinase domain (Pfam: pkinase.hmm, score: 165.48), to legume lectins beta domain (Pfam: lectin_legB.hmm, score: 125.64) and legume lectins alpha domain (Pfam: lectin_legA.hmm, score: 16.72) [Arabido'		

Seq. No.	33189	Seq. ID	OJ990408_09.0211.C4
Gene No.	68807	Strand	+
Start	1	End	1623
Name	OJ990408_09.0211.C4.o3.ts	Method	TBLASTX:Soybean

Start	1371	End	1621
GI	none	Score	213
Exons	1371..1619, 1373..1621		

Seq. No.	33190	Seq. ID	OJ990408_09.0211.C6
Gene No.	68808	Strand	-
Start	470	End	2036
Name	OJ990408_09.0211.C6.o1.gs	Method	GENSCAN
Start	470	End	2036
GI	none	Score	.59
Exons	470..598, 639..722, 1601..1768, 1770..2036		

Seq. No.	33191	Seq. ID	OJ990408_09.0211.C7
Gene No.	68809	Strand	+
Start	771	End	1152
Name	OJ990408_09.0211.C7.o1.gs	Method	GENSCAN
Start	771	End	1152
GI	none	Score	.58
Exons	771..909, 992..1152		

Seq. No.	33191	Seq. ID	OJ990408_09.0211.C7
Gene No.	68810	Strand	-
Start	1	End	4460
Name	OJ990408_09.0211.C7.o1.np	Method	AAT/NAP
Start	1	End	4460
GI	133416	Score	302
Exons	1..27, 2662..2750, 2969..3171, 4432..4460		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA CHAIN gi|66970|pir||RNRZB DNA-directed RNA polymerase (EC 2.7.7.6) beta chain - rice chloroplast gi|11971|emb|CAA33986| (X15901) RNA polymerase beta subunit [Oryza sativa]		

Seq. No.	33191	Seq. ID	OJ990408_09.0211.C7
Gene No.	68811	Strand	-
Start	4463	End	6023
Name	OJ990408_09.0211.C7.o3.tm	Method	TBLASTX:Maize
Start	2668	End	3160
GI	none	Score	105
Exons	2668..2748, 2670..2750, 2674..2751, 2675..2749, 2957..3115, 2968..3105, 2974..3123, 2975..3109, 2979..3116, 3092..3160, 3108..3149, 3109..3159		

Seq. No.	33191	Seq. ID	OJ990408_09.0211.C7
Gene No.	68811	Strand	-
Start	4463	End	6023
Name	OJ990408_09.0211.C7.o2.tc	Method	TBLASTX:Cress
Start	2972	End	3175
GI	none	Score	101
Exons	2972..3079, 2972..3079, 2973..3083, 2974..3090, 2979..3089, 3089..3175, 3108..3173		

Seq. No.	33191	Seq. ID	OJ990408_09.0211.C7
Gene No.	68811	Strand	-
Start	4463	End	6023
Name	OJ990408_09.0211.C7.o1.tc	Method	TBLASTX:Cress
Start	3618	End	5845
GI	none	Score	152

Exons	3618..3860, 4955..5116, 5177..5248, 5360..5446, 5426..5554, 5597..5845		
Seq. No.	33191	Seq. ID	OJ990408_09.0211.C7
Gene No.	68811	Strand	-
Start	4463	End	6023
Name	OJ990408_09.0211.C7.o1.tm	Method	TBLASTX:Maize
Start	3666	End	4561
GI	none	Score	81
Exons	3666..3872, 3838..4011, 4036..4338, 4454..4561		
Seq. No.	33191	Seq. ID	OJ990408_09.0211.C7
Gene No.	68811	Strand	-
Start	4463	End	6023
Name	OJ990408_09.0211.C7.o1.ts	Method	TBLASTX:Soybean
Start	4372	End	5470
GI	none	Score	105
Exons	4372..4479, 4457..4624, 4520..4654, 4646..4939, 4955..5326, 4965..5321, 5381..5470, 5382..5444		
Seq. No.	33191	Seq. ID	OJ990408_09.0211.C7
Gene No.	68811	Strand	-
Start	4463	End	6023
Name	OJ990408_09.0211.C7.o2.np	Method	AAT/NAP
Start	4463	End	6023
GI	5669782	Score	790
Exons	4463..6023		
GI Descrip.	(AF108010) Hv1LRR2 [Hordeum vulgare]		
Seq. No.	33191	Seq. ID	OJ990408_09.0211.C7
Gene No.	68811	Strand	-
Start	4463	End	6023
Name	OJ990408_09.0211.C7.o2.tm	Method	TBLASTX:Maize
Start	4721	End	5056
GI	none	Score	79
Exons	4721..5056, 4877..5038, 4938..5054		
Seq. No.	33191	Seq. ID	OJ990408_09.0211.C7
Gene No.	68811	Strand	-
Start	4463	End	6023
Name	OJ990408_09.0211.C7.o1.tw	Method	TBLASTX:Wheat
Start	4971	End	5294
GI	none	Score	100
Exons	4971..5132, 4972..5280, 4973..5275, 5087..5284, 5157..5294		
Seq. No.	33191	Seq. ID	OJ990408_09.0211.C7
Gene No.	68811	Strand	-
Start	4463	End	6023
Name	OJ990408_09.0211.C7.o2.ts	Method	TBLASTX:Soybean
Start	5474	End	5833
GI	none	Score	167
Exons	5474..5572, 5597..5833		
Seq. No.	33192	Seq. ID	OJ990408_09.0211.C8
Gene No.	68812	Strand	+
Start	18254	End	19722
Name	OJ990408_09.0211.C8.o2.gp	Method	AAT/GAP

Start	18076	End	18574
GI	none	Score	880
Exons	18076..18574		

Seq. No.	33192	Seq. ID	OJ990408_09.0211.C8
Gene No.	68812	Strand	+
Start	18254	End	19722
Name	OJ990408_09.0211.C8.o2.gs	Method	GENSCAN
Start	18254	End	19722
GI	none	Score	.85
Exons	18254..18874, 19254..19272, 19340..19722		

Seq. No.	33192	Seq. ID	OJ990408_09.0211.C8
Gene No.	68812	Strand	+
Start	18254	End	19722
Name	OJ990408_09.0211.C8.o3.np	Method	AAT/NAP
Start	18313	End	18883
GI	4585996	Score	310
Exons	18313..18883		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33192	Seq. ID	OJ990408_09.0211.C8
Gene No.	68813	Strand	+
Start	20854	End	21951
Name	OJ990408_09.0211.C8.o3.gs	Method	GENSCAN
Start	20854	End	21951
GI	none	Score	.47
Exons	20854..20908, 20910..21413, 21506..21951		

Seq. No.	33192	Seq. ID	OJ990408_09.0211.C8
Gene No.	68814	Strand	+
Start	33111	End	34817
Name	OJ990408_09.0211.C8.o4.np	Method	AAT/NAP
Start	33111	End	34817
GI	4680179	Score	689
Exons	33111..33193, 33829..34817		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33192	Seq. ID	OJ990408_09.0211.C8
Gene No.	68815	Strand	-
Start	990	End	14957
Name	OJ990408_09.0211.C8.o1.gs	Method	GENSCAN
Start	990	End	14957
GI	none	Score	.61
Exons	990..1022, 1192..1353, 1872..1961, 2899..2983, 3833..3897, 4408..4503, 4590..4704, 4810..4901, 4982..5067, 5219..5318, 5504..5610, 6007..6181, 7910..8092, 8180..8436, 8563..8761, 8871..9395, 10192..10413, 11479..11662, 12138..12262, 12538..12650, 14091..14201, 14293..14517, 14633..14790, 14881..14957		

Seq. No.	33192	Seq. ID	OJ990408_09.0211.C8
Gene No.	68815	Strand	-
Start	990	End	14957
Name	OJ990408_09.0211.C8.o1.gp	Method	AAT/GAP
Start	2650	End	6325
GI	15879_1.R1084	Score	2116

Exons	2650..2983, 4308..4503, 4590..4704, 4810..4901, 4982..5067, 5219..5318, 5504..5610, 6182..6325		
GI Descrip.	'3687235 3.0e-49 (AC005169) putative copia-like transposable element [Arabidopsis thaliana]'		

Seq. No.	33192	Seq. ID	OJ990408_09.0211.C8
Gene No.	68815	Strand	-
Start	990	End	14957
Name	OJ990408_09.0211.C8.o1.np	Method	AAT/NAP
Start	4315	End	5581
GI	4972062	Score	695
Exons	4315..4503, 4590..4704, 4810..4901, 4982..5067, 5219..5318, 5504..5581		
GI Descrip.	(AL078470) putative protein [Arabidopsis thaliana]		

Seq. No.	33192	Seq. ID	OJ990408_09.0211.C8
Gene No.	68816	Strand	-
Start	23725	End	26037
Name	OJ990408_09.0211.C8.o4.gs	Method	GENSCAN
Start	23725	End	26037
GI	none	Score	.57
Exons	23725..23787, 24444..24565, 24854..24927, 26012..26037		

Seq. No.	33192	Seq. ID	OJ990408_09.0211.C8
Gene No.	68817	Strand	-
Start	28461	End	28707
Name	OJ990408_09.0211.C8.o1.ts	Method	TBLASTX:Soybean
Start	4276	End	5068
GI	none	Score	111
Exons	4276..4416, 4290..4415, 4440..4505, 4589..4702, 4590..4703, 4590..4703, 4625..4717, 4810..4851, 4842..4904, 4979..5008, 4979..5068		

Seq. No.	33192	Seq. ID	OJ990408_09.0211.C8
Gene No.	68817	Strand	-
Start	28461	End	28707
Name	OJ990408_09.0211.C8.o1.tw	Method	TBLASTX:Wheat
Start	4305	End	4830
GI	none	Score	123
Exons	4305..4406, 4308..4505, 4309..4455, 4588..4683, 4589..4702, 4590..4703, 4590..4703, 4622..4717, 4810..4830		

Seq. No.	33192	Seq. ID	OJ990408_09.0211.C8
Gene No.	68817	Strand	-
Start	28461	End	28707
Name	OJ990408_09.0211.C8.o2.tm	Method	TBLASTX:Maize
Start	4305	End	5620
GI	none	Score	188
Exons	4305..4505, 4306..4455, 4588..4683, 4589..4699, 4590..4703, 4590..4703, 4622..4717, 4810..4896, 4810..4905, 4818..4904, 4979..5068, 4979..5068, 4984..5070, 5221..5319, 5504..5620, 5504..5599		

Seq. No.	33192	Seq. ID	OJ990408_09.0211.C8
Gene No.	68817	Strand	-
Start	28461	End	28707
Name	OJ990408_09.0211.C8.o3.tc	Method	TBLASTX:Cress

Start	4590	End	5605
GI	none	Score	93
Exons	4590..4703, 4590..4703, 4810..4896, 4818..4904, 4842..4904, 4976..5011, 4979..5068, 5504..5554, 5540..5605		

Seq. No.	33192	Seq. ID	OJ990408_09.0211.C8
Gene No.	68817	Strand	-
Start	28461	End	28707
Name	OJ990408_09.0211.C8.o7.tm	Method	TBLASTX:Maize
Start	7015	End	7973
GI	none	Score	39
Exons	7015..7056, 7157..7285, 7163..7285, 7215..7289, 7216..7326, 7907..7972, 7911..7973		

Seq. No.	33192	Seq. ID	OJ990408_09.0211.C8
Gene No.	68817	Strand	-
Start	28461	End	28707
Name	OJ990408_09.0211.C8.o2.ts	Method	TBLASTX:Soybean
Start	11234	End	11590
GI	none	Score	93
Exons	11234..11344, 11235..11336, 11237..11350, 11461..11589, 11489..11590		

Seq. No.	33192	Seq. ID	OJ990408_09.0211.C8
Gene No.	68817	Strand	-
Start	28461	End	28707
Name	OJ990408_09.0211.C8.o3.tm	Method	TBLASTX:Maize
Start	11576	End	12621
GI	none	Score	250
Exons	11576..11740, 11578..11796, 11578..11742, 12460..12621, 12494..12619, 12523..12621		

Seq. No.	33192	Seq. ID	OJ990408_09.0211.C8
Gene No.	68817	Strand	-
Start	28461	End	28707
Name	OJ990408_09.0211.C8.o1.tc	Method	TBLASTX:Cress
Start	11587	End	11743
GI	none	Score	161
Exons	11587..11739, 11588..11743		

Seq. No.	33192	Seq. ID	OJ990408_09.0211.C8
Gene No.	68817	Strand	-
Start	28461	End	28707
Name	OJ990408_09.0211.C8.o2.tc	Method	TBLASTX:Cress
Start	12536	End	14441
GI	none	Score	79
Exons	12536..12649, 12538..12651, 14291..14440, 14301..14441		

Seq. No.	33192	Seq. ID	OJ990408_09.0211.C8
Gene No.	68817	Strand	-
Start	28461	End	28707
Name	OJ990408_09.0211.C8.o1.tm	Method	TBLASTX:Maize
Start	18067	End	18825
GI	none	Score	56
Exons	18067..18165, 18254..18289, 18313..18825, 18398..18817		

Seq. No.	33192	Seq. ID	OJ990408_09.0211.C8

Gene No.	68817	Strand	-
Start	28461	End	28707
Name	OJ990408_09.0211.C8.o4.tm	Method	TBLASTX:Maize
Start	21610	End	22089
GI	none	Score	89
Exons	21610..21819, 21678..21818, 21687..21833, 21688..21834, 21818..21877, 21877..21945, 21880..21933, 21881..21979, 21979..22089, 21985..22089		

Seq. No.	33192	Seq. ID	OJ990408_09.0211.C8
Gene No.	68817	Strand	-
Start	28461	End	28707
Name	OJ990408_09.0211.C8.o8.tm	Method	TBLASTX:Maize
Start	23791	End	24146
GI	none	Score	50
Exons	23791..23895, 23813..23860, 23855..23893, 23896..23967, 23897..23962, 24079..24141, 24080..24142, 24081..24146		

Seq. No.	33192	Seq. ID	OJ990408_09.0211.C8
Gene No.	68817	Strand	-
Start	28461	End	28707
Name	OJ990408_09.0211.C8.o5.tm	Method	TBLASTX:Maize
Start	26318	End	26793
GI	none	Score	76
Exons	26318..26395, 26319..26387, 26537..26587, 26552..26587, 26598..26696, 26602..26697, 26606..26737, 26607..26693, 26672..26788, 26692..26793, 26692..26793		

Seq. No.	33192	Seq. ID	OJ990408_09.0211.C8
Gene No.	68817	Strand	-
Start	28461	End	28707
Name	OJ990408_09.0211.C8.o3.gp	Method	AAT/GAP
Start	28461	End	28707
GI	101153_1.R1084	Score	337
Exons	28461..28707		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	33192	Seq. ID	OJ990408_09.0211.C8
Gene No.	68818	Strand	
Start	33992	End	34522
Name	OJ990408_09.0211.C8.o2.tw	Method	TBLASTX:Wheat
Start	33992	End	34348
GI	none	Score	263
Exons	33992..34348, 34018..34092, 34037..34165, 34199..34336, 34207..34347		

Seq. No.	33192	Seq. ID	OJ990408_09.0211.C8
Gene No.	68818	Strand	
Start	33992	End	34522
Name	OJ990408_09.0211.C8.o6.tm	Method	TBLASTX:Maize
Start	34229	End	34522
GI	none	Score	198
Exons	34229..34492, 34252..34410, 34457..34522		

Seq. No.	33193	Seq. ID	OJ990408_09.0211.C9
Gene No.	68819	Strand	+

Start	1	End	693
Name	OJ990408_09.0211.C9.o1.np	Method	AAT/NAP
Start	1	End	693
GI	6815109	Score	180
Exons	1..296, 363..693		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	33193	Seq. ID	OJ990408_09.0211.C9
Gene No.	68820	Strand	-
Start	43	End	604
Name	OJ990408_09.0211.C9.o1.gs	Method	GENSCAN
Start	43	End	604
GI	none	Score	.6
Exons	43..453, 546..604		

Seq. No.	33194	Seq. ID	OJ990408_09.0211.C11
Gene No.	68821	Strand	-
Start	1	End	1705
Name	OJ990408_09.0211.C11.o1.np	Method	AAT/NAP
Start	1	End	1705
GI	6523547	Score	113
Exons	1..236, 1638..1705		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	33195	Seq. ID	OJ990408_09.0211.C12
Gene No.	68822	Strand	-
Start	924	End	1795
Name	OJ990408_09.0211.C12.o1.gs	Method	GENSCAN
Start	924	End	1795
GI	none	Score	.54
Exons	924..1058, 1604..1795		

Seq. No.	33195	Seq. ID	OJ990408_09.0211.C12
Gene No.	68823	Strand	-
Start	2136	End	2247
Name	OJ990408_09.0211.C12.o1.gp	Method	AAT/GAP
Start	2136	End	2247
GI	LIB3477-003-P1-K1-E9	Score	143
Exons	2136..2247		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	33196	Seq. ID	OJ990408_09.0211.C13
Gene No.	68824	Strand	-
Start	29	End	1028
Name	OJ990408_09.0211.C13.o1.gs	Method	GENSCAN
Start	29	End	1028
GI	none	Score	.88
Exons	29..187, 481..553, 655..1028		

Seq. No.	33197	Seq. ID	OJ990408_09.0211.C14
Gene No.	68825	Strand	+
Start	7110	End	8689
Name	OJ990408_09.0211.C14.o1.gp	Method	AAT/GAP
Start	7110	End	8689

GI	none	Score	922
Exons	7110..7204, 7291..7537, 7616..7717, 8623..8689		

Seq. No.	33197	Seq. ID	OJ990408_09.0211.C14
Gene No.	68826	Strand	-
Start	1	End	2552
Name	OJ990408_09.0211.C14.o1.np	Method	AAT/NAP
Start	1	End	2552
GI	4680204	Score	852
Exons	1..1069, 1161..2552		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	33197	Seq. ID	OJ990408_09.0211.C14
Gene No.	68826	Strand	-
Start	1	End	2552
Name	OJ990408_09.0211.C14.o2.np	Method	AAT/NAP
Start	567	End	2552
GI	4680204	Score	815
Exons	567..1069, 1161..2552		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	33197	Seq. ID	OJ990408_09.0211.C14
Gene No.	68827	Strand	-
Start	3678	End	7214
Name	OJ990408_09.0211.C14.o2.tw	Method	TBLASTX:Wheat
Start	1551	End	1952
GI	none	Score	39
Exons	1551..1655, 1551..1721, 1552..1668, 1711..1893, 1716..1952, 1758..1952		

Seq. No.	33197	Seq. ID	OJ990408_09.0211.C14
Gene No.	68827	Strand	-
Start	3678	End	7214
Name	OJ990408_09.0211.C14.o2.gs	Method	GENSCAN
Start	3678	End	7214
GI	none	Score	.74
Exons	3678..3795, 3878..3968, 4757..4952, 5016..5672, 5853..5987, 6119..6264, 6893..7214		

Seq. No.	33197	Seq. ID	OJ990408_09.0211.C14
Gene No.	68827	Strand	-
Start	3678	End	7214
Name	OJ990408_09.0211.C14.o1.tw	Method	TBLASTX:Wheat
Start	4755	End	6080
GI	none	Score	48
Exons	4755..4847, 4756..4821, 4757..4843, 4836..4916, 4879..4917, 4921..5040, 4923..5039, 4930..5070, 4941..5069, 4999..5112, 5049..5108, 5114..5161, 5118..5159, 5119..5160, 5154..5606, 5170..5649, 5642..5806, 5653..5817, 5654..5836, 5806..6066, 5808..6065, 5886..6080, 5965..6066		

Seq. No.	33197	Seq. ID	OJ990408_09.0211.C14
Gene No.	68827	Strand	-
Start	3678	End	7214
Name	OJ990408_09.0211.C14.o3.np	Method	AAT/NAP
Start	5239	End	6367
GI	6742729	Score	1644

Exons	5239..6367		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		
Seq. No.	33197	Seq. ID	OJ990408_09.0211.C14
Gene No.	68827	Strand	-
Start	3678	End	7214
Name	OJ990408_09.0211.C14.o1.tc	Method	TBLASTX:Cress
Start	5337	End	5782
GI	none	Score	99
Exons	5337..5486, 5337..5606, 5341..5649, 5642..5773, 5653..5778, 5654..5782		
Seq. No.	33197	Seq. ID	OJ990408_09.0211.C14
Gene No.	68827	Strand	-
Start	3678	End	7214
Name	OJ990408_09.0211.C14.o1.tm	Method	TBLASTX:Maize
Start	5680	End	6152
GI	none	Score	189
Exons	5680..5814, 5808..6152		
Seq. No.	33197	Seq. ID	OJ990408_09.0211.C14
Gene No.	68827	Strand	-
Start	3678	End	7214
Name	OJ990408_09.0211.C14.o3.tw	Method	TBLASTX:Wheat
Start	6081	End	6354
GI	none	Score	61
Exons	6081..6155, 6082..6156, 6107..6160, 6158..6352, 6215..6352, 6219..6353, 6229..6354		
Seq. No.	33198	Seq. ID	OJ990408_09.0211.C15
Gene No.	68828	Strand	+
Start	1436	End	4493
Name	OJ990408_09.0211.C15.o1.np	Method	AAT/NAP
Start	1436	End	4493
GI	4680179	Score	1139
Exons	1436..1460, 2701..3494, 3591..4493		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	33198	Seq. ID	OJ990408_09.0211.C15
Gene No.	68829	Strand	-
Start	1	End	330
Name	OJ990408_09.0211.C15.o1.gp	Method	AAT/GAP
Start	1	End	330
GI	none	Score	587
Exons	1..330		
Seq. No.	33198	Seq. ID	OJ990408_09.0211.C15
Gene No.	68830	Strand	
Start	2706	End	3062
Name	OJ990408_09.0211.C15.o2.tw	Method	TBLASTX:Wheat
Start	2706	End	3062
GI	none	Score	270
Exons	2706..3062, 2733..3023		
Seq. No.	33198	Seq. ID	OJ990408_09.0211.C15
Gene No.	68831	Strand	
Start	3618	End	4037

Name	OJ990408_09.0211.C15.o3.tw	Method	TBLASTX:Wheat
Start	3618	End	4037
GI	none	Score	150
Exons	3618..3839, 3635..3742, 3705..3767, 3852..4037, 3878..3985		

Seq. No.	33198	Seq. ID	OJ990408_09.0211.C15
Gene No.	68832	Strand	
Start	4167	End	4493
Name	OJ990408_09.0211.C15.o1.tw	Method	TBLASTX:Wheat
Start	4167	End	4493
GI	none	Score	388
Exons	4167..4493, 4235..4474		

Seq. No.	33198	Seq. ID	OJ990408_09.0211.C15
Gene No.	68832	Strand	
Start	4167	End	4493
Name	OJ990408_09.0211.C15.o1.tm	Method	TBLASTX:Maize
Start	4176	End	4466
GI	none	Score	325
Exons	4176..4466, 4178..4465		

Seq. No.	33199	Seq. ID	OJ990408_09.0211.C16
Gene No.	68833	Strand	+
Start	1	End	2540
Name	OJ990408_09.0211.C16.o1.np	Method	AAT/NAP
Start	1	End	2540
GI	4680179	Score	3111
Exons	1..2540		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33199	Seq. ID	OJ990408_09.0211.C16
Gene No.	68833	Strand	+
Start	1	End	2540
Name	OJ990408_09.0211.C16.o6.tw	Method	TBLASTX:Wheat
Start	2	End	236
GI	none	Score	70
Exons	2..58, 12..62, 62..187, 66..236		

Seq. No.	33199	Seq. ID	OJ990408_09.0211.C16
Gene No.	68833	Strand	+
Start	1	End	2540
Name	OJ990408_09.0211.C16.o3.tm	Method	TBLASTX:Maize
Start	75	End	575
GI	none	Score	161
Exons	75..254, 240..575, 284..460, 507..566		

Seq. No.	33199	Seq. ID	OJ990408_09.0211.C16
Gene No.	68833	Strand	+
Start	1	End	2540
Name	OJ990408_09.0211.C16.o1.ts	Method	TBLASTX:Soybean
Start	129	End	524
GI	none	Score	54
Exons	129..161, 165..524, 230..523		

Seq. No.	33199	Seq. ID	OJ990408_09.0211.C16
Gene No.	68833	Strand	+
Start	1	End	2540

Name	OJ990408_09.0211.C16.o1.gs	Method	GENSCAN
Start	138	End	2510
GI	none	Score	.51
Exons	138..2510		

Seq. No.	33199	Seq. ID	OJ990408_09.0211.C16
Gene No.	68833	Strand	+
Start	1	End	2540
Name	OJ990408_09.0211.C16.o4.tw	Method	TBLASTX:Wheat
Start	237	End	538
GI	none	Score	384
Exons	237..536, 238..336, 281..538		

Seq. No.	33199	Seq. ID	OJ990408_09.0211.C16
Gene No.	68833	Strand	+
Start	1	End	2540
Name	OJ990408_09.0211.C16.o2.tw	Method	TBLASTX:Wheat
Start	540	End	1049
GI	none	Score	625
Exons	540..1049, 581..976		

Seq. No.	33199	Seq. ID	OJ990408_09.0211.C16
Gene No.	68833	Strand	+
Start	1	End	2540
Name	OJ990408_09.0211.C16.o3.ts	Method	TBLASTX:Soybean
Start	549	End	791
GI	none	Score	207
Exons	549..791, 612..740		

Seq. No.	33199	Seq. ID	OJ990408_09.0211.C16
Gene No.	68833	Strand	+
Start	1	End	2540
Name	OJ990408_09.0211.C16.o2.tm	Method	TBLASTX:Maize
Start	611	End	967
GI	none	Score	450
Exons	611..967, 612..965		

Seq. No.	33199	Seq. ID	OJ990408_09.0211.C16
Gene No.	68833	Strand	+
Start	1	End	2540
Name	OJ990408_09.0211.C16.o3.tw	Method	TBLASTX:Wheat
Start	1053	End	1532
GI	none	Score	474
Exons	1053..1532, 1250..1528		

Seq. No.	33199	Seq. ID	OJ990408_09.0211.C16
Gene No.	68833	Strand	+
Start	1	End	2540
Name	OJ990408_09.0211.C16.o2.ts	Method	TBLASTX:Soybean
Start	1320	End	1580
GI	none	Score	263
Exons	1320..1580, 1383..1571		

Seq. No.	33199	Seq. ID	OJ990408_09.0211.C16
Gene No.	68833	Strand	+
Start	1	End	2540
Name	OJ990408_09.0211.C16.o4.tm	Method	TBLASTX:Maize

Start	1379	End	1670
GI	none	Score	353
Exons	1379..1666, 1380..1670		

Seq. No.	33199	Seq. ID	OJ990408_09.0211.C16
Gene No.	68833	Strand	+
Start	1	End	2540
Name	OJ990408_09.0211.C16.o1.tw	Method	TBLASTX:Wheat
Start	1539	End	2165
GI	none	Score	708
Exons	1539..2165, 1541..1861, 1659..2162, 1898..2164		

Seq. No.	33199	Seq. ID	OJ990408_09.0211.C16
Gene No.	68833	Strand	+
Start	1	End	2540
Name	OJ990408_09.0211.C16.o1.tm	Method	TBLASTX:Maize
Start	1718	End	2312
GI	none	Score	189
Exons	1718..1861, 1719..1880, 1728..1877, 1729..1884, 1866..2162, 1878..2312, 1892..2302		

Seq. No.	33199	Seq. ID	OJ990408_09.0211.C16
Gene No.	68833	Strand	+
Start	1	End	2540
Name	OJ990408_09.0211.C16.o5.tw	Method	TBLASTX:Wheat
Start	2165	End	2501
GI	none	Score	382
Exons	2165..2365, 2166..2501, 2337..2480		

Seq. No.	33200	Seq. ID	OJ990408_09.0211.C17
Gene No.	68834	Strand	+
Start	308	End	394
Name	OJ990408_09.0211.C17.o1.gs	Method	GENSCAN
Start	308	End	394
GI	none	Score	.42
Exons	308..394		

Seq. No.	33201	Seq. ID	OJ990408_09.0211.C18
Gene No.	68835	Strand	+
Start	3541	End	15079
Name	OJ990408_09.0211.C18.o2.gs	Method	GENSCAN
Start	3541	End	15079
GI	none	Score	.53
Exons	3541..3599, 4487..4733, 6956..7009, 9166..9581, 10174..10373, 10541..10714, 10806..10877, 14277..14365, 14988..15079		

Seq. No.	33201	Seq. ID	OJ990408_09.0211.C18
Gene No.	68836	Strand	-
Start	1	End	10392
Name	OJ990408_09.0211.C18.o1.np	Method	AAT/NAP
Start	1	End	3501
GI	4680203	Score	1856
Exons	1..84, 571..2222, 3478..3501		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33201	Seq. ID	OJ990408_09.0211.C18
Gene No.	68836	Strand	-

Start	1	End	10392
Name	OJ990408_09.0211.C18.o1.gp	Method	AAT/GAP
Start	62	End	354
GI	none	Score	503
Exons	62..354		

Seq. No.	33201	Seq. ID	OJ990408_09.0211.C18
Gene No.	68836	Strand	-
Start	1	End	10392
Name	OJ990408_09.0211.C18.o2.gp	Method	AAT/GAP
Start	571	End	2218
GI	342_1.R1084	Score	2558
Exons	571..2218		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	33201	Seq. ID	OJ990408_09.0211.C18
Gene No.	68836	Strand	-
Start	1	End	10392
Name	OJ990408_09.0211.C18.o1.gs	Method	GENSCAN
Start	682	End	1988
GI	none	Score	54
Exons	682..1366, 1414..1526, 1587..1988		

Seq. No.	33201	Seq. ID	OJ990408_09.0211.C18
Gene No.	68836	Strand	-
Start	1	End	10392
Name	OJ990408_09.0211.C18.o2.np	Method	AAT/NAP
Start	2722	End	10392
GI	81286	Score	135
Exons	2722..2856, 4710..4821, 9197..9388, 9487..9588, 10189..10392		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	33201	Seq. ID	OJ990408_09.0211.C18
Gene No.	68837	Strand	-
Start	14206	End	14262
Name	OJ990408_09.0211.C18.o2.ts	Method	TBLASTX:Soybean
Start	748	End	972
GI	none	Score	189
Exons	748..972		

Seq. No.	33201	Seq. ID	OJ990408_09.0211.C18
Gene No.	68837	Strand	-
Start	14206	End	14262
Name	OJ990408_09.0211.C18.o1.tm	Method	TBLASTX:Maize
Start	802	End	1260
GI	none	Score	81
Exons	802..996, 1006..1260, 1006..1248		

Seq. No.	33201	Seq. ID	OJ990408_09.0211.C18
Gene No.	68837	Strand	-
Start	14206	End	14262
Name	OJ990408_09.0211.C18.o1.tw	Method	TBLASTX:Wheat
Start	964	End	1305
GI	none	Score	252
Exons	964..1305, 964..1305		

Seq. No.	33201	Seq. ID	OJ990408_09.0211.C18
Gene No.	68837	Strand	-
Start	14206	End	14262
Name	OJ990408_09.0211.C18.o1.tc	Method	TBLASTX:Cress
Start	1093	End	1416
GI	none	Score	63
Exons	1093..1416, 1112..1222, 1289..1405		

Seq. No.	33201	Seq. ID	OJ990408_09.0211.C18
Gene No.	68837	Strand	-
Start	14206	End	14262
Name	OJ990408_09.0211.C18.o1.ts	Method	TBLASTX:Soybean
Start	1174	End	1601
GI	none	Score	89
Exons	1174..1416, 1192..1416, 1464..1526, 1527..1601		

Seq. No.	33201	Seq. ID	OJ990408_09.0211.C18
Gene No.	68837	Strand	-
Start	14206	End	14262
Name	OJ990408_09.0211.C18.o2.tw	Method	TBLASTX:Wheat
Start	1518	End	1919
GI	none	Score	143
Exons	1518..1775, 1523..1765, 1533..1784, 1534..1776, 1767..1919, 1781..1900		

Seq. No.	33201	Seq. ID	OJ990408_09.0211.C18
Gene No.	68837	Strand	-
Start	14206	End	14262
Name	OJ990408_09.0211.C18.o4.gp	Method	AAT/GAP
Start	14206	End	14262
GI	3061062	Score	63
Exons	14206..14262		

Seq. No.	33202	Seq. ID	OJ990408_09.0211.C19
Gene No.	68838	Strand	+
Start	116	End	18314
Name	OJ990408_09.0211.C19.o1.gs	Method	GENSCAN
Start	116	End	2504
GI	none	Score	.64
Exons	116..185, 2013..2504		

Seq. No.	33202	Seq. ID	OJ990408_09.0211.C19
Gene No.	68838	Strand	+
Start	116	End	18314
Name	OJ990408_09.0211.C19.o1.np	Method	AAT/NAP
Start	805	End	4225
GI	3252807	Score	502
Exons	805..941, 1980..2390, 3198..3398, 3432..3946, 4030..4225		
GI Descrip.	(AC004705) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33202	Seq. ID	OJ990408_09.0211.C19
Gene No.	68838	Strand	+
Start	116	End	18314
Name	OJ990408_09.0211.C19.o2.np	Method	AAT/NAP
Start	2002	End	18314
GI	135514	Score	48

Exons	2002..2119, 5178..5228, 17441..17531, 18271..18314		
GI Descrip.	T-CELL RECEPTOR BETA CHAIN ANA 11 gi|70018|pir||RWRBB T-cell receptor beta chain precursor (ANA 11) - rabbit		
Seq. No.	33202	Seq. ID	OJ990408_09.0211.C19
Gene No.	68838	Strand	+
Start	116	End	18314
Name	OJ990408_09.0211.C19.o2.gs	Method	GENSCAN
Start	3506	End	6160
GI	none	Score	.94
Exons	3506..3946, 4030..4454, 5257..5339, 5486..5665, 6021..6160		
Seq. No.	33202	Seq. ID	OJ990408_09.0211.C19
Gene No.	68838	Strand	+
Start	116	End	18314
Name	OJ990408_09.0211.C19.o1.gp	Method	AAT/GAP
Start	6513	End	6994
GI	none	Score	924
Exons	6513..6994		
Seq. No.	33202	Seq. ID	OJ990408_09.0211.C19
Gene No.	68839	Strand	-
Start	6551	End	18243
Name	OJ990408_09.0211.C19.o1.ts	Method	TBLASTX:Soybean
Start	2073	End	3697
GI	none	Score	257
Exons	2073..2330, 2078..2287, 2334..2393, 2351..2392, 3194..3259, 3195..3401, 3196..3279, 3347..3388, 3499..3663, 3500..3697		
Seq. No.	33202	Seq. ID	OJ990408_09.0211.C19
Gene No.	68839	Strand	-
Start	6551	End	18243
Name	OJ990408_09.0211.C19.o5.tm	Method	TBLASTX:Maize
Start	2237	End	3517
GI	none	Score	242
Exons	2237..2392, 2238..2393, 3195..3233, 3197..3232, 3201..3413, 3208..3279, 3239..3409, 3455..3517		
Seq. No.	33202	Seq. ID	OJ990408_09.0211.C19
Gene No.	68839	Strand	-
Start	6551	End	18243
Name	OJ990408_09.0211.C19.o1.tc	Method	TBLASTX:Cress
Start	3503	End	4170
GI	none	Score	77
Exons	3503..3733, 3779..3946, 4024..4170		
Seq. No.	33202	Seq. ID	OJ990408_09.0211.C19
Gene No.	68839	Strand	-
Start	6551	End	18243
Name	OJ990408_09.0211.C19.o2.ts	Method	TBLASTX:Soybean
Start	3785	End	4182
GI	none	Score	136
Exons	3785..3964, 4024..4182, 4053..4178		
Seq. No.	33202	Seq. ID	OJ990408_09.0211.C19
Gene No.	68839	Strand	-
Start	6551	End	18243

Name	OJ990408_09.0211.C19.o3.tm	Method	TBLASTX:Maize
Start	4026	End	4344
GI	none	Score	241
Exons	4026..4178, 4027..4233, 4081..4185, 4267..4344, 4296..4319		

Seq. No.	33202	Seq. ID	OJ990408_09.0211.C19
Gene No.	68839	Strand	-
Start	6551	End	18243
Name	OJ990408_09.0211.C19.o3.gs	Method	GENSCAN
Start	6551	End	18243
GI	none	Score	.77
Exons	6551..6565, 6955..7122, 7144..7236, 8123..8372, 8602..8767, 11446..11485, 12184..12347, 12608..12752, 12843..12962, 14378..14488, 14691..14732, 14953..15135, 15293..15438, 16174..16360, 16530..16586, 17181..17318, 17532..17756, 18007..18243		

Seq. No.	33202	Seq. ID	OJ990408_09.0211.C19
Gene No.	68839	Strand	-
Start	6551	End	18243
Name	OJ990408_09.0211.C19.o2.tm	Method	TBLASTX:Maize
Start	6913	End	8712
GI	none	Score	189
Exons	6913..7137, 6914..7138, 7126..7245, 7136..7240, 7143..7247, 8123..8302, 8124..8288, 8316..8375, 8318..8374, 8602..8712, 8604..8711		

Seq. No.	33202	Seq. ID	OJ990408_09.0211.C19
Gene No.	68839	Strand	-
Start	6551	End	18243
Name	OJ990408_09.0211.C19.o2.gp	Method	AAT/GAP
Start	7018	End	8681
GI	none	Score	1016
Exons	7018..7236, 8123..8372, 8602..8681		

Seq. No.	33202	Seq. ID	OJ990408_09.0211.C19
Gene No.	68839	Strand	-
Start	6551	End	18243
Name	OJ990408_09.0211.C19.o1.tm	Method	TBLASTX:Maize
Start	11021	End	12250
GI	none	Score	319
Exons	11021..11287, 11021..11287, 11029..11325, 11445..11531, 11450..11533, 12174..12248, 12185..12250, 12202..12249		

Seq. No.	33202	Seq. ID	OJ990408_09.0211.C19
Gene No.	68839	Strand	-
Start	6551	End	18243
Name	OJ990408_09.0211.C19.o4.tm	Method	TBLASTX:Maize
Start	14450	End	15136
GI	none	Score	71
Exons	14450..14524, 14454..14492, 14948..15136, 14950..15135, 14951..15136		

Seq. No.	33202	Seq. ID	OJ990408_09.0211.C19
Gene No.	68839	Strand	-
Start	6551	End	18243
Name	OJ990408_09.0211.C19.o3.np	Method	AAT/NAP

Start	16458	End	18118
GI	6321084	Score	116
Exons	16458..16586, 17181..17340, 17566..17698, 17973..18118		
GI Descrip.	negative regulator of COPII vesicle formation; Bst1p gi|1175934|sp|P43571|YFC5_YEAST HYPOTHETICAL 117.8 KD PROTEIN IN STE2-FRS2 INTERGENIC REGION gi|1084690|pir||S56229 probable membrane protein YFL025c - yeast (Saccharomyces cerevisiae) gi|836729|dbj|BAA09213.1| (D50617) YFL025C [Saccharomyces cerevisiae]		

Seq. No.	33203	Seq. ID	OJ990408_09.0211.C25
Gene No.	68840	Strand	-
Start	219	End	384
Name	OJ990408_09.0211.C25.o1.gs	Method	GENSCAN
Start	219	End	384
GI	none	Score	.66
Exons	219..384		

Seq. No.	33204	Seq. ID	OJ990408_09.0211.C26
Gene No.	68841	Strand	+
Start	341	End	682
Name	OJ990408_09.0211.C26.o1.gs	Method	GENSCAN
Start	341	End	682
GI	none	Score	.8
Exons	341..422, 573..682		

Seq. No.	33205	Seq. ID	OJ990408_09.0211.C27
Gene No.	68842	Strand	+
Start	93	End	197
Name	OJ990408_09.0211.C27.o1.gs	Method	GENSCAN
Start	93	End	197
GI	none	Score	.51
Exons	93..197		

Seq. No.	33205	Seq. ID	OJ990408_09.0211.C27
Gene No.	68843	Strand	-
Start	1	End	1003
Name	OJ990408_09.0211.C27.o1.np	Method	AAT/NAP
Start	1	End	1003
GI	5091513	Score	162
Exons	1..365, 970..1003		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	33206	Seq. ID	OJ990408_09.0211.C28
Gene No.	68844	Strand	-
Start	43	End	3959
Name	OJ990408_09.0211.C28.o1.np	Method	AAT/NAP
Start	43	End	3959
GI	5091513	Score	976
Exons	43..174, 211..371, 404..992, 1317..1393, 1618..2200, 3924..3959		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	33207	Seq. ID	OJ990408_09.0211.C29
Gene No.	68845	Strand	+
Start	1	End	5176
Name	OJ990408_09.0211.C29.o2.np	Method	AAT/NAP
Start	1	End	1886

GI	6815052	Score	1360
Exons	1..37, 430..565, 614..1329, 1411..1486, 1768..1886		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	33207	Seq. ID	OJ990408_09.0211.C29
Gene No.	68845	Strand	+
Start	1	End	5176
Name	OJ990408_09.0211.C29.o1.np	Method	AAT/NAP
Start	1	End	5176
GI	6705984	Score	103
Exons	1..34, 169..371, 5152..5176		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	33207	Seq. ID	OJ990408_09.0211.C29
Gene No.	68845	Strand	+
Start	1	End	5176
Name	OJ990408_09.0211.C29.o1.gp	Method	AAT/GAP
Start	1	End	172
GI	72524_1.R1084	Score	274
Exons	1..172		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	33207	Seq. ID	OJ990408_09.0211.C29
Gene No.	68846	Strand	+
Start	6120	End	8715
Name	OJ990408_09.0211.C29.o3.np	Method	AAT/NAP
Start	6120	End	8715
GI	5091513	Score	540
Exons	6120..6160, 8100..8715		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	33207	Seq. ID	OJ990408_09.0211.C29
Gene No.	68846	Strand	+
Start	6120	End	8715
Name	OJ990408_09.0211.C29.o3.gs	Method	GENSCAN
Start	6638	End	8593
GI	none	Score	.8
Exons	6638..6712, 7041..7101, 7193..7321, 7995..8593		

Seq. No.	33207	Seq. ID	OJ990408_09.0211.C29
Gene No.	68847	Strand	-
Start	2596	End	5684
Name	OJ990408_09.0211.C29.o2.gs	Method	GENSCAN
Start	2596	End	5684
GI	none	Score	.74
Exons	2596..2822, 4734..4755, 5210..5368, 5640..5684		

Seq. No.	33208	Seq. ID	OJ990408_09.0211.C30
Gene No.	68848	Strand	+
Start	1	End	2221
Name	OJ990408_09.0211.C30.o1.np	Method	AAT/NAP
Start	1	End	2221
GI	5091513	Score	537
Exons	1..53, 755..1339, 1951..2221		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	33208	Seq. ID	OJ990408_09.0211.C30
Gene No.	68848	Strand	+
Start	1	End	2221
Name	OJ990408_09.0211.C30.o1.gs	Method	GENSCAN
Start	712	End	1607
GI	none	Score	.86
Exons	712..1144, 1200..1607		

Seq. No.	33208	Seq. ID	OJ990408_09.0211.C30
Gene No.	68849	Strand	+
Start	5709	End	7101
Name	OJ990408_09.0211.C30.o2.np	Method	AAT/NAP
Start	5619	End	7098
GI	6682618	Score	421
Exons	5619..5809, 5889..6153, 6899..7098		
GI Descrip.	(AC016163) unknown protein [Arabidopsis thaliana]		

Seq. No.	33208	Seq. ID	OJ990408_09.0211.C30
Gene No.	68849	Strand	+
Start	5709	End	7101
Name	OJ990408_09.0211.C30.o3.gs	Method	GENSCAN
Start	5709	End	6185
GI	none	Score	.86
Exons	5709..6185		

Seq. No.	33208	Seq. ID	OJ990408_09.0211.C30
Gene No.	68849	Strand	+
Start	5709	End	7101
Name	OJ990408_09.0211.C30.o4.gs	Method	GENSCAN
Start	6844	End	7101
GI	none	Score	.63
Exons	6844..7101		

Seq. No.	33208	Seq. ID	OJ990408_09.0211.C30
Gene No.	68850	Strand	-
Start	1966	End	2240
Name	OJ990408_09.0211.C30.o2.gs	Method	GENSCAN
Start	1966	End	2240
GI	none	Score	.9
Exons	1966..2082, 2178..2240		

Seq. No.	33208	Seq. ID	OJ990408_09.0211.C30
Gene No.	68851	Strand	-
Start	7859	End	10412
Name	OJ990408_09.0211.C30.o1.tm	Method	TBLASTX:Maize
Start	5904	End	7101
GI	none	Score	301
Exons	5904..6125, 5906..6118, 6865..6981, 6897..6950, 6961..7101, 6981..7097		

Seq. No.	33208	Seq. ID	OJ990408_09.0211.C30
Gene No.	68851	Strand	-
Start	7859	End	10412
Name	OJ990408_09.0211.C30.o1.ts	Method	TBLASTX:Soybean
Start	6865	End	7101
GI	none	Score	109
Exons	6865..6978, 6897..6950, 6979..7101, 6981..7100		

Seq. No.	33208	Seq. ID	OJ990408_09.0211.C30
Gene No.	68851	Strand	-
Start	7859	End	10412
Name	OJ990408_09.0211.C30.o1.tc	Method	TBLASTX:Cress
Start	6897	End	7101
GI	none	Score	99
Exons	6897..6947, 6898..6978, 6979..7101, 6981..7061		

Seq. No.	33208	Seq. ID	OJ990408_09.0211.C30
Gene No.	68851	Strand	-
Start	7859	End	10412
Name	OJ990408_09.0211.C30.o2.tm	Method	TBLASTX:Maize
Start	7614	End	7925
GI	none	Score	207
Exons	7614..7925, 7616..7855		

Seq. No.	33208	Seq. ID	OJ990408_09.0211.C30
Gene No.	68851	Strand	-
Start	7859	End	10412
Name	OJ990408_09.0211.C30.o5.gs	Method	GENSCAN
Start	7859	End	10412
GI	none	Score	49
Exons	7859..8011, 9251..9472, 9525..9725, 10065..10412		

Seq. No.	33208	Seq. ID	OJ990408_09.0211.C30
Gene No.	68851	Strand	-
Start	7859	End	10412
Name	OJ990408_09.0211.C30.o4.np	Method	AAT/NAP
Start	9290	End	9790
GI	5257262	Score	126
Exons	9290..9353, 9496..9790		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	33209	Seq. ID	OJ990408_09.0211.C31
Gene No.	68852	Strand	-
Start	1	End	943
Name	OJ990408_09.0211.C31.o1.np	Method	AAT/NAP
Start	1	End	943
GI	5257262	Score	107
Exons	1..63, 304..530, 847..943		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	33209	Seq. ID	OJ990408_09.0211.C31
Gene No.	68852	Strand	-
Start	1	End	943
Name	OJ990408_09.0211.C31.o1.tm	Method	TBLASTX:Maize
Start	293	End	558
GI	none	Score	164
Exons	293..541, 295..558, 308..538, 367..540		

Seq. No.	33210	Seq. ID	OJ990408_09.0211.C33
Gene No.	68853	Strand	+
Start	78	End	226
Name	OJ990408_09.0211.C33.o1.gs	Method	GENSCAN
Start	78	End	226
GI	none	Score	.64

Exons	78..226		
Seq. No.	33211	Seq. ID	OJ990408_09.0211.C35
Gene No.	68854	Strand	-
Start	1	End	704
Name	OJ990408_09.0211.C35.o1.gp	Method	AAT/GAP
Start	1	End	704
GI	342_1.R1084	Score	1015
Exons	1..704		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	33211	Seq. ID	OJ990408_09.0211.C35
Gene No.	68854	Strand	-
Start	1	End	704
Name	OJ990408_09.0211.C35.o1.np	Method	AAT/NAP
Start	1	End	704
GI	4680203	Score	662
Exons	1..704		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	33211	Seq. ID	OJ990408_09.0211.C35
Gene No.	68854	Strand	-
Start	1	End	704
Name	OJ990408_09.0211.C35.o1.tw	Method	TBLASTX:Wheat
Start	61	End	457
GI	none	Score	170
Exons	61..303, 71..322, 72..314, 305..457, 319..438, 329..430		
Seq. No.	33211	Seq. ID	OJ990408_09.0211.C35
Gene No.	68854	Strand	-
Start	1	End	704
Name	OJ990408_09.0211.C35.o1.ts	Method	TBLASTX:Soybean
Start	71	End	289
GI	none	Score	195
Exons	71..289		
Seq. No.	33211	Seq. ID	OJ990408_09.0211.C35
Gene No.	68854	Strand	-
Start	1	End	704
Name	OJ990408_09.0211.C35.o1.gs	Method	GENSCAN
Start	110	End	526
GI	none	Score	.96
Exons	110..526		
Seq. No.	33212	Seq. ID	OJ990408_09.0211.C36
Gene No.	68855	Strand	+
Start	649	End	725
Name	OJ990408_09.0211.C36.o1.gp	Method	AAT/GAP
Start	649	End	725
GI	none	Score	146
Exons	649..725		
Seq. No.	33212	Seq. ID	OJ990408_09.0211.C36
Gene No.	68856	Strand	-
Start	487	End	594
Name	OJ990408_09.0211.C36.o1.gs	Method	GENSCAN

Start	487	End	594
GI	none	Score	.44
Exons	487..594		

Seq. No.	33213	Seq. ID	OJ990408_09.0211.C37
Gene No.	68857	Strand	+
Start	1	End	715
Name	OJ990408_09.0211.C37.o1.np	Method	AAT/NAP
Start	1	End	715
GI	5852180	Score	50
Exons	1..68, 530..715		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	33213	Seq. ID	OJ990408_09.0211.C37
Gene No.	68857	Strand	+
Start	1	End	715
Name	OJ990408_09.0211.C37.o1.gp	Method	AAT/GAP
Start	56	End	245
GI	61605_3.R1084	Score	281
Exons	56..245		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	33214	Seq. ID	OJ990408_09.0211.C38
Gene No.	68858	Strand	+
Start	1	End	386
Name	OJ990408_09.0211.C38.o1.np	Method	AAT/NAP
Start	1	End	386
GI	5091513	Score	141
Exons	1..386		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	33214	Seq. ID	OJ990408_09.0211.C38
Gene No.	68859	Strand	+
Start	976	End	4056
Name	OJ990408_09.0211.C38.o1.gs	Method	GENSCAN
Start	976	End	4056
GI	none	Score	.83
Exons	976..1035, 2530..2644, 3045..3091, 3178..3306, 3514..3642, 3823..4056		

Seq. No.	33214	Seq. ID	OJ990408_09.0211.C38
Gene No.	68860	Strand	+
Start	7099	End	10372
Name	OJ990408_09.0211.C38.o3.np	Method	AAT/NAP
Start	7089	End	10372
GI	2960364	Score	388
Exons	7089..7222, 7434..7588, 8536..8715, 10305..10372		
GI Descrip.	(AJ224986) cinnamoyl CoA reductase [Populus balsamifera subsp. trichocarpa]		

Seq. No.	33214	Seq. ID	OJ990408_09.0211.C38
Gene No.	68860	Strand	+
Start	7099	End	10372
Name	OJ990408_09.0211.C38.o3.gs	Method	GENSCAN
Start	7099	End	8721
GI	none	Score	.76

Exons	7099..7222, 7434..7588, 8539..8721		
Seq. No.	33214	Seq. ID	OJ990408_09.0211.C38
Gene No.	68861	Strand	-
Start	1	End	5373
Name	OJ990408_09.0211.C38.o2.np	Method	AAT/NAP
Start	1	End	4485
GI	6815052	Score	540
Exons	1..85, 2592..2684, 3538..3705, 3847..3896, 4176..4251, 4333..4485		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	33214	Seq. ID	OJ990408_09.0211.C38
Gene No.	68861	Strand	-
Start	1	End	5373
Name	OJ990408_09.0211.C38.o1.gp	Method	AAT/GAP
Start	1690	End	1994
GI	72524_1.R1084	Score	417
Exons	1690..1994		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		
Seq. No.	33214	Seq. ID	OJ990408_09.0211.C38
Gene No.	68861	Strand	-
Start	1	End	5373
Name	OJ990408_09.0211.C38.o2.gs	Method	GENSCAN
Start	4237	End	5373
GI	none	Score	.84
Exons	4237..4541, 5286..5373		
Seq. No.	33214	Seq. ID	OJ990408_09.0211.C38
Gene No.	68862	Strand	
Start	7125	End	8720
Name	OJ990408_09.0211.C38.o1.tm	Method	TBLASTX:Maize
Start	7125	End	8720
GI	none	Score	155
Exons	7125..7229, 7126..7230, 7442..7588, 7444..7590, 8539..8715, 8541..8672, 8561..8716, 8562..8720		
Seq. No.	33214	Seq. ID	OJ990408_09.0211.C38
Gene No.	68862	Strand	
Start	7125	End	8720
Name	OJ990408_09.0211.C38.o1.ts	Method	TBLASTX:Soybean
Start	7126	End	8712
GI	none	Score	129
Exons	7126..7221, 7442..7588, 7442..7585, 8524..8712, 8544..8672, 8563..8700		
Seq. No.	33215	Seq. ID	OJ990408_09.0211.C39
Gene No.	68863	Strand	+
Start	3003	End	5966
Name	OJ990408_09.0211.C39.o1.gs	Method	GENSCAN
Start	3003	End	5966
GI	none	Score	.67
Exons	3003..3171, 3322..3426, 3601..3926, 4145..4742, 4817..5017, 5156..5269, 5341..5445, 5518..5966		

Seq. No.	33215	Seq. ID	OJ990408_09.0211.C39
Gene No.	68863	Strand	+
Start	3003	End	5966
Name	OJ990408_09.0211.C39.o1.np	Method	AAT/NAP
Start	3042	End	5963
GI	6691716	Score	2342
Exons	3042..3930, 4128..4302, 4384..4689, 4830..5004, 5080..5191, 5341..5445, 5518..5963		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	33215	Seq. ID	OJ990408_09.0211.C39
Gene No.	68864	Strand	-
Start	4996	End	7565
Name	OJ990408_09.0211.C39.o4.tw	Method	TBLASTX:Wheat
Start	3162	End	3452
GI	none	Score	221
Exons	3162..3452		

Seq. No.	33215	Seq. ID	OJ990408_09.0211.C39
Gene No.	68864	Strand	-
Start	4996	End	7565
Name	OJ990408_09.0211.C39.o2.np	Method	AAT/NAP
Start	4996	End	7565
GI	4680180	Score	2148
Exons	4996..5043, 6272..7565		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33215	Seq. ID	OJ990408_09.0211.C39
Gene No.	68864	Strand	-
Start	4996	End	7565
Name	OJ990408_09.0211.C39.o2.gs	Method	GENSCAN
Start	6188	End	7462
GI	none	Score	.76
Exons	6188..7462		

Seq. No.	33215	Seq. ID	OJ990408_09.0211.C39
Gene No.	68864	Strand	-
Start	4996	End	7565
Name	OJ990408_09.0211.C39.o2.tw	Method	TBLASTX:Wheat
Start	6341	End	6619
GI	none	Score	83
Exons	6341..6619, 6357..6464, 6510..6599		

Seq. No.	33215	Seq. ID	OJ990408_09.0211.C39
Gene No.	68864	Strand	-
Start	4996	End	7565
Name	OJ990408_09.0211.C39.o1.tw	Method	TBLASTX:Wheat
Start	6734	End	7121
GI	none	Score	112
Exons	6734..6925, 6734..7120, 6810..7121		

Seq. No.	33215	Seq. ID	OJ990408_09.0211.C39
Gene No.	68864	Strand	-
Start	4996	End	7565
Name	OJ990408_09.0211.C39.o1.tm	Method	TBLASTX:Maize

Start	6764	End	7127
GI	none	Score	67
Exons	6764..6811, 6765..6812, 6792..7106, 6803..7126, 6816..7127		

Seq. No.	33215	Seq. ID	OJ990408_09.0211.C39
Gene No.	68864	Strand	-
Start	4996	End	7565
Name	OJ990408_09.0211.C39.o3.tw	Method	TBLASTX:Wheat
Start	7262	End	7543
GI	none	Score	57
Exons	7262..7543, 7458..7538		

Seq. No.	33216	Seq. ID	OJ990408_09.0211.C40
Gene No.	68865	Strand	-
Start	1	End	2101
Name	OJ990408_09.0211.C40.o1.np	Method	AAT/NAP
Start	1	End	1294
GI	5902445	Score	2198
Exons	1..1294		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	33216	Seq. ID	OJ990408_09.0211.C40
Gene No.	68865	Strand	-
Start	1	End	2101
Name	OJ990408_09.0211.C40.o3.tw	Method	TBLASTX:Wheat
Start	101	End	530
GI	none	Score	135
Exons	101..529, 102..530		

Seq. No.	33216	Seq. ID	OJ990408_09.0211.C40
Gene No.	68865	Strand	-
Start	1	End	2101
Name	OJ990408_09.0211.C40.o1.gs	Method	GENSCAN
Start	207	End	1934
GI	none	Score	.85
Exons	207..1277, 1374..1934		

Seq. No.	33216	Seq. ID	OJ990408_09.0211.C40
Gene No.	68865	Strand	-
Start	1	End	2101
Name	OJ990408_09.0211.C40.o1.ts	Method	TBLASTX:Soybean
Start	299	End	700
GI	none	Score	126
Exons	299..700, 540..683		

Seq. No.	33216	Seq. ID	OJ990408_09.0211.C40
Gene No.	68865	Strand	-
Start	1	End	2101
Name	OJ990408_09.0211.C40.o1.tm	Method	TBLASTX:Maize
Start	452	End	835
GI	none	Score	163
Exons	452..835, 483..731		

Seq. No.	33216	Seq. ID	OJ990408_09.0211.C40
Gene No.	68865	Strand	-
Start	1	End	2101
Name	OJ990408_09.0211.C40.o1.tw	Method	TBLASTX:Wheat

Start	575	End	994
GI	none	Score	231
Exons	575..994, 576..992, 770..994		

Seq. No.	33216	Seq. ID	OJ990408_09.0211.C40
Gene No.	68865	Strand	-
Start	1	End	2101
Name	OJ990408_09.0211.C40.o2.tm	Method	TBLASTX:Maize
Start	863	End	1219
GI	none	Score	57
Exons	863..979, 863..1219, 873..1178		

Seq. No.	33216	Seq. ID	OJ990408_09.0211.C40
Gene No.	68865	Strand	-
Start	1	End	2101
Name	OJ990408_09.0211.C40.o2.ts	Method	TBLASTX:Soybean
Start	944	End	1309
GI	none	Score	139
Exons	944..1078, 1085..1309		

Seq. No.	33216	Seq. ID	OJ990408_09.0211.C40
Gene No.	68865	Strand	-
Start	1	End	2101
Name	OJ990408_09.0211.C40.o2.tw	Method	TBLASTX:Wheat
Start	1025	End	1384
GI	none	Score	252
Exons	1025..1384, 1026..1370		

Seq. No.	33216	Seq. ID	OJ990408_09.0211.C40
Gene No.	68865	Strand	-
Start	1	End	2101
Name	OJ990408_09.0211.C40.o2.np	Method	AAT/NAP
Start	1361	End	2101
GI	5902444	Score	979
Exons	1361..2101		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	33216	Seq. ID	OJ990408_09.0211.C40
Gene No.	68865	Strand	-
Start	1	End	2101
Name	OJ990408_09.0211.C40.o3.tm	Method	TBLASTX:Maize
Start	1571	End	1718
GI	none	Score	114
Exons	1571..1717, 1572..1718		

Seq. No.	33216	Seq. ID	OJ990408_09.0211.C40
Gene No.	68865	Strand	-
Start	1	End	2101
Name	OJ990408_09.0211.C40.o4.tw	Method	TBLASTX:Wheat
Start	1592	End	1936
GI	none	Score	184
Exons	1592..1936, 1611..1931		

Seq. No.	33217	Seq. ID	OJ990408_09.0211.C41
Gene No.	68866	Strand	-
Start	1	End	832
Name	OJ990408_09.0211.C41.o1.np	Method	AAT/NAP

Start	1	End	832
GI	3193302	Score	212
Exons	1..361, 747..832		
GI Descrip.	(AF069298) contains similarity to a protein kinase domain (Pfam: pkinase.hmm, score: 166.20) and to legume lectins beta domain (Pfam: lectin_legB.hmm, score: 139.32) [Arabidopsis thaliana]		

Seq. No.	33217	Seq. ID	OJ990408_09.0211.C41
Gene No.	68866	Strand	-
Start	1	End	832
Name	OJ990408_09.0211.C41.o1.tm	Method	TBLASTX:Maize
Start	3	End	366
GI	none	Score	89
Exons	3..173, 219..356, 226..366		

Seq. No.	33217	Seq. ID	OJ990408_09.0211.C41
Gene No.	68866	Strand	-
Start	1	End	832
Name	OJ990408_09.0211.C41.o1.tc	Method	TBLASTX:Cress
Start	9	End	329
GI	none	Score	63
Exons	9..140, 10..141, 144..329, 172..315		

Seq. No.	33217	Seq. ID	OJ990408_09.0211.C41
Gene No.	68866	Strand	-
Start	1	End	832
Name	OJ990408_09.0211.C41.o1.gs	Method	GENSCAN
Start	16	End	593
GI	none	Score	.85
Exons	16..144, 198..407, 546..593		

Seq. No.	33217	Seq. ID	OJ990408_09.0211.C41
Gene No.	68866	Strand	-
Start	1	End	832
Name	OJ990408_09.0211.C41.o1.ts	Method	TBLASTX:Soybean
Start	21	End	356
GI	none	Score	58
Exons	21..140, 22..144, 144..356, 145..321		

Seq. No.	33218	Seq. ID	OJ990408_09.0211.C42
Gene No.	68867	Strand	+
Start	130	End	477
Name	OJ990408_09.0211.C42.o1.gs	Method	GENSCAN
Start	130	End	477
GI	none	Score	.46
Exons	130..477		

Seq. No.	33219	Seq. ID	OJ990408_09.0211.C44
Gene No.	68868	Strand	-
Start	72	End	161
Name	OJ990408_09.0211.C44.o1.gs	Method	GENSCAN
Start	72	End	161
GI	none	Score	.58
Exons	72..161		

Seq. No.	33220	Seq. ID	OJ990408_09.0211.C46
Gene No.	68869	Strand	-

Start	510	End	621
Name	OJ990408_09.0211.C46.o1.ts	Method	TBLASTX:Soybean
Start	265	End	621
GI	none	Score	93
Exons	265..375, 266..367, 268..381, 492..620, 519..620, 520..621		

Seq. No.	33220	Seq. ID	OJ990408_09.0211.C46
Gene No.	68869	Strand	-
Start	510	End	621
Name	OJ990408_09.0211.C46.o1.gs	Method	GENSCAN
Start	510	End	584
GI	none	Score	.77
Exons	510..584		

Seq. No.	33221	Seq. ID	OJ990908_04.0218.C1
Gene No.	68870	Strand	+
Start	4285	End	4668
Name	OJ990908_04.0218.C1.o1.gp	Method	AAT/GAP
Start	4285	End	4668
GI	uC-osflcyp033a04b1	Score	669
Exons	4285..4668		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	33221	Seq. ID	OJ990908_04.0218.C1
Gene No.	68871	Strand	+
Start	20368	End	23690
Name	OJ990908_04.0218.C1.o3.np	Method	AAT/NAP
Start	20368	End	23690
GI	6721512	Score	53
Exons	20368..20411, 21962..22074, 23642..23690		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	33221	Seq. ID	OJ990908_04.0218.C1
Gene No.	68872	Strand	-
Start	2741	End	3492
Name	OJ990908_04.0218.C1.o1.gs	Method	GENSCAN
Start	2741	End	3492
GI	none	Score	.77
Exons	2741..3395, 3410..3492		

Seq. No.	33221	Seq. ID	OJ990908_04.0218.C1
Gene No.	68873	Strand	-
Start	8391	End	11410
Name	OJ990908_04.0218.C1.o3.gs	Method	GENSCAN
Start	8391	End	11410
GI	none	Score	.61
Exons	8391..8581, 9544..9893, 10218..10388, 10623..10771, 10834..10998, 11360..11410		

Seq. No.	33221	Seq. ID	OJ990908_04.0218.C1
Gene No.	68874	Strand	-
Start	11606	End	14725
Name	OJ990908_04.0218.C1.o1.np	Method	AAT/NAP
Start	11606	End	14725
GI	5902445	Score	3100
Exons	11606..12847, 12887..14725		

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	33221	Seq. ID	OJ990908_04.0218.C1
Gene No.	68875	Strand	-
Start	14792	End	26238
Name	OJ990908_04.0218.C1.o3.tw	Method	TBLASTX:Wheat
Start	11615	End	12223
GI	none	Score	72
Exons	11615..11746, 11616..11741, 11771..12223, 11967..12074, 12143..12184		

Seq. No.	33221	Seq. ID	OJ990908_04.0218.C1
Gene No.	68875	Strand	-
Start	14792	End	26238
Name	OJ990908_04.0218.C1.o4.tm	Method	TBLASTX:Maize
Start	11651	End	11896
GI	none	Score	142
Exons	11651..11734, 11735..11896		

Seq. No.	33221	Seq. ID	OJ990908_04.0218.C1
Gene No.	68875	Strand	-
Start	14792	End	26238
Name	OJ990908_04.0218.C1.o5.tw	Method	TBLASTX:Wheat
Start	12347	End	12730
GI	none	Score	185
Exons	12347..12730, 12348..12695		

Seq. No.	33221	Seq. ID	OJ990908_04.0218.C1
Gene No.	68875	Strand	-
Start	14792	End	26238
Name	OJ990908_04.0218.C1.o3.tm	Method	TBLASTX:Maize
Start	12425	End	12730
GI	none	Score	172
Exons	12425..12730, 12426..12692		

Seq. No.	33221	Seq. ID	OJ990908_04.0218.C1
Gene No.	68875	Strand	-
Start	14792	End	26238
Name	OJ990908_04.0218.C1.o7.tw	Method	TBLASTX:Wheat
Start	12935	End	13228
GI	none	Score	63
Exons	12935..13228, 13062..13178		

Seq. No.	33221	Seq. ID	OJ990908_04.0218.C1
Gene No.	68875	Strand	-
Start	14792	End	26238
Name	OJ990908_04.0218.C1.o2.ts	Method	TBLASTX:Soybean
Start	13133	End	13516
GI	none	Score	84
Exons	13133..13381, 13391..13516		

Seq. No.	33221	Seq. ID	OJ990908_04.0218.C1
Gene No.	68875	Strand	-
Start	14792	End	26238
Name	OJ990908_04.0218.C1.o6.tw	Method	TBLASTX:Wheat
Start	13232	End	13639
GI	none	Score	42

Exons	13232..13297, 13232..13405, 13413..13619, 13415..13639		
Seq. No.	33221	Seq. ID	OJ990908_04.0218.C1
Gene No.	68875	Strand	-
Start	14792	End	26238
Name	OJ990908_04.0218.C1.o1.ts	Method	TBLASTX:Soybean
Start	13730	End	14155
GI	none	Score	83
Exons	13730..14155, 13971..14096		
Seq. No.	33221	Seq. ID	OJ990908_04.0218.C1
Gene No.	68875	Strand	-
Start	14792	End	26238
Name	OJ990908_04.0218.C1.o2.tw	Method	TBLASTX:Wheat
Start	13785	End	14209
GI	none	Score	238
Exons	13785..14099, 13787..14209, 13820..14164, 14068..14169		
Seq. No.	33221	Seq. ID	OJ990908_04.0218.C1
Gene No.	68875	Strand	-
Start	14792	End	26238
Name	OJ990908_04.0218.C1.o2.tm	Method	TBLASTX:Maize
Start	13883	End	14266
GI	none	Score	114
Exons	13883..14266, 13884..14099		
Seq. No.	33221	Seq. ID	OJ990908_04.0218.C1
Gene No.	68875	Strand	-
Start	14792	End	26238
Name	OJ990908_04.0218.C1.o1.tm	Method	TBLASTX:Maize
Start	14294	End	14650
GI	none	Score	178
Exons	14294..14650, 14382..14588, 14420..14596		
Seq. No.	33221	Seq. ID	OJ990908_04.0218.C1
Gene No.	68875	Strand	-
Start	14792	End	26238
Name	OJ990908_04.0218.C1.o1.tw	Method	TBLASTX:Wheat
Start	14324	End	14779
GI	none	Score	348
Exons	14324..14779, 14379..14774		
Seq. No.	33221	Seq. ID	OJ990908_04.0218.C1
Gene No.	68875	Strand	-
Start	14792	End	26238
Name	OJ990908_04.0218.C1.o3.ts	Method	TBLASTX:Soybean
Start	14375	End	14740
GI	none	Score	102
Exons	14375..14509, 14516..14740		
Seq. No.	33221	Seq. ID	OJ990908_04.0218.C1
Gene No.	68875	Strand	-
Start	14792	End	26238
Name	OJ990908_04.0218.C1.o2.np	Method	AAT/NAP
Start	14792	End	26238
GI	5902444	Score	1015
Exons	14792..16332, 20455..20575, 20879..21000, 21181..21270,		

	24820..24978, 26216..26238		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	33221	Seq. ID	OJ990908_04.0218.C1
Gene No.	68875	Strand	-
Start	14792	End	26238
Name	OJ990908_04.0218.C1.o4.tw	Method	TBLASTX:Wheat
Start	14972	End	15427
GI	none	Score	152
Exons	14972..15208, 14982..15206, 15245..15427, 15246..15419		
Seq. No.	33221	Seq. ID	OJ990908_04.0218.C1
Gene No.	68875	Strand	-
Start	14792	End	26238
Name	OJ990908_04.0218.C1.o8.tw	Method	TBLASTX:Wheat
Start	16058	End	20571
GI	none	Score	75
Exons	16058..16234, 16059..16235, 16231..16317, 16232..16318, 20443..20526, 20527..20571		
Seq. No.	33221	Seq. ID	OJ990908_04.0218.C1
Gene No.	68875	Strand	-
Start	14792	End	26238
Name	OJ990908_04.0218.C1.o5.gs	Method	GENSCAN
Start	20296	End	22027
GI	none	Score	.78
Exons	20296..21174, 21245..22027		
Seq. No.	33222	Seq. ID	OJ990908_04.0218.C2
Gene No.	68876	Strand	+
Start	3462	End	6203
Name	OJ990908_04.0218.C2.o1.tm	Method	TBLASTX:Maize
Start	2509	End	3027
GI	none	Score	491
Exons	2509..3024, 2549..3013, 2943..3017, 2953..3027		
Seq. No.	33222	Seq. ID	OJ990908_04.0218.C2
Gene No.	68876	Strand	+
Start	3462	End	6203
Name	OJ990908_04.0218.C2.o2.ts	Method	TBLASTX:Soybean
Start	2603	End	3013
GI	none	Score	110
Exons	2603..2767, 2611..2652, 2771..3013, 2776..2883		
Seq. No.	33222	Seq. ID	OJ990908_04.0218.C2
Gene No.	68876	Strand	+
Start	3462	End	6203
Name	OJ990908_04.0218.C2.o1.gp	Method	AAT/GAP
Start	3462	End	4983
GI	2310235	Score	300
Exons	3462..3499, 3910..4049, 4926..4983		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	33222	Seq. ID	OJ990908_04.0218.C2
Gene No.	68876	Strand	+
Start	3462	End	6203

Name	OJ990908_04.0218.C2.o1.np	Method	AAT/NAP
Start	3910	End	5992
GI	4680203	Score	2360
Exons	3910..5583, 5737..5992		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33222	Seq. ID	OJ990908_04.0218.C2
Gene No.	68876	Strand	+
Start	3462	End	6203
Name	OJ990908_04.0218.C2.o2.gp	Method	AAT/GAP
Start	3914	End	6203
GI	342_1.R1084	Score	3921
Exons	3914..6203		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	33222	Seq. ID	OJ990908_04.0218.C2
Gene No.	68876	Strand	+
Start	3462	End	6203
Name	OJ990908_04.0218.C2.o4.tw	Method	TBLASTX:Wheat
Start	4261	End	4617
GI	none	Score	103
Exons	4261..4368, 4351..4602, 4359..4601, 4360..4617, 4361..4612		

Seq. No.	33222	Seq. ID	OJ990908_04.0218.C2
Gene No.	68876	Strand	+
Start	3462	End	6203
Name	OJ990908_04.0218.C2.o1.ts	Method	TBLASTX:Soybean
Start	4533	End	4962
GI	none	Score	102
Exons	4533..4616, 4534..4608, 4609..4671, 4666..4962, 4720..4944		

Seq. No.	33222	Seq. ID	OJ990908_04.0218.C2
Gene No.	68876	Strand	+
Start	3462	End	6203
Name	OJ990908_04.0218.C2.o1.tc	Method	TBLASTX:Cress
Start	4695	End	5043
GI	none	Score	318
Exons	4695..4847, 4702..5043, 4887..5024		

Seq. No.	33222	Seq. ID	OJ990908_04.0218.C2
Gene No.	68876	Strand	+
Start	3462	End	6203
Name	OJ990908_04.0218.C2.o1.tw	Method	TBLASTX:Wheat
Start	4831	End	5300
GI	none	Score	72
Exons	4831..4884, 4839..4883, 4885..4989, 4896..4985, 4993..5091, 4998..5090, 5071..5295, 5091..5300, 5094..5300		

Seq. No.	33222	Seq. ID	OJ990908_04.0218.C2
Gene No.	68876	Strand	+
Start	3462	End	6203
Name	OJ990908_04.0218.C2.o2.tm	Method	TBLASTX:Maize
Start	4876	End	5334
GI	none	Score	247
Exons	4876..5130, 4888..5130, 5140..5334		

Seq. No.	33222	Seq. ID	OJ990908_04.0218.C2
Gene No.	68876	Strand	+
Start	3462	End	6203
Name	OJ990908_04.0218.C2.o3.ts	Method	TBLASTX:Soybean
Start	5164	End	5406
GI	none	Score	216
Exons	5164..5406		

Seq. No.	33222	Seq. ID	OJ990908_04.0218.C2
Gene No.	68876	Strand	+
Start	3462	End	6203
Name	OJ990908_04.0218.C2.o3.tw	Method	TBLASTX:Wheat
Start	5439	End	5849
GI	none	Score	87
Exons	5439..5489, 5440..5502, 5508..5690, 5512..5730, 5758..5847, 5763..5849, 5764..5847		

Seq. No.	33222	Seq. ID	OJ990908_04.0218.C2
Gene No.	68876	Strand	+
Start	3462	End	6203
Name	OJ990908_04.0218.C2.o2.tw	Method	TBLASTX:Wheat
Start	5850	End	6202
GI	none	Score	462
Exons	5850..6200, 5851..6201, 5858..6202		

Seq. No.	33222	Seq. ID	OJ990908_04.0218.C2
Gene No.	68876	Strand	+
Start	3462	End	6203
Name	OJ990908_04.0218.C2.o3.tm	Method	TBLASTX:Maize
Start	5893	End	6201
GI	none	Score	309
Exons	5893..6201, 5904..6179, 5977..6186		

Seq. No.	33223	Seq. ID	OJ990908_04.0218.C3
Gene No.	68877	Strand	+
Start	1	End	1557
Name	OJ990908_04.0218.C3.o1.gp	Method	AAT/GAP
Start	1	End	1377
GI	342_1.R1084	Score	1947
Exons	1..694, 839..860, 938..1377		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	33223	Seq. ID	OJ990908_04.0218.C3
Gene No.	68877	Strand	+
Start	1	End	1557
Name	OJ990908_04.0218.C3.o1.tw	Method	TBLASTX:Wheat
Start	1	End	548
GI	none	Score	121
Exons	1..108, 2..106, 144..188, 144..188, 191..286, 195..254, 233..373, 234..374, 302..382, 379..450, 387..467, 456..548, 482..547		

Seq. No.	33223	Seq. ID	OJ990908 04.0218.C3
Gene No.	68877	Strand	+
Start	1	End	1557
Name	OJ990908_04.0218.C3.o3.gp	Method	AAT/GAP

Start	1	End	1557
GI	342_1.R1084	Score	2259
Exons	1..694, 839..860, 938..1557		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	33223	Seq. ID	OJ990908_04.0218.C3
Gene No.	68877	Strand	+
Start	1	End	1557
Name	OJ990908_04.0218.C3.o1.np	Method	AAT/NAP
Start	1	End	602
GI	4680203	Score	567
Exons	1..602		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33223	Seq. ID	OJ990908_04.0218.C3
Gene No.	68877	Strand	+
Start	1	End	1557
Name	OJ990908_04.0218.C3.o1.gs	Method	GENSCAN
Start	120	End	623
GI	none	Score	.98
Exons	120..623		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68878	Strand	+
Start	1	End	3110
Name	OJ990908_04.0218.C4.o1.np	Method	AAT/NAP
Start	1	End	3110
GI	4680204	Score	821
Exons	1..821, 895..1989, 2099..2272, 2369..2588, 2939..3034, 3069..3110		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68878	Strand	+
Start	1	End	3110
Name	OJ990908_04.0218.C4.o2.gs	Method	GENSCAN
Start	2100	End	3091
GI	none	Score	.92
Exons	2100..2272, 2369..2479, 2564..2636, 2731..2829, 2909..3091		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68879	Strand	+
Start	3634	End	4605
Name	OJ990908_04.0218.C4.o1.gp	Method	AAT/GAP
Start	3490	End	3638
GI	21474_1.R1084	Score	263
Exons	3490..3638		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68879	Strand	+
Start	3634	End	4605
Name	OJ990908_04.0218.C4.o3.gs	Method	GENSCAN
Start	3634	End	4605
GI	none	Score	.62

Exons	3634..4605		
Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68880	Strand	+
Start	7341	End	7720
Name	OJ990908_04.0218.C4.o4.gs	Method	GENSCAN
Start	7341	End	7720
GI	none	Score	.63
Exons	7341..7397, 7421..7720		
Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68881	Strand	-
Start	8534	End	12997
Name	OJ990908_04.0218.C4.o2.np	Method	AAT/NAP
Start	8534	End	12997
GI	4680179	Score	5681
Exons	8534..12997		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o9.tw	Method	TBLASTX:Wheat
Start	23	End	426
GI	none	Score	62
Exons	23..163, 23..139, 25..261, 25..174, 126..266, 256..426, 331..426		
Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o12.tw	Method	TBLASTX:Wheat
Start	1916	End	2438
GI	none	Score	61
Exons	1916..1996, 2085..2267, 2135..2260, 2367..2438		
Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o1.tm	Method	TBLASTX:Maize
Start	3772	End	4458
GI	none	Score	224
Exons	3772..3936, 3772..3924, 3774..3926, 3976..4152, 3985..4152, 4168..4458, 4185..4457		
Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o1.tc	Method	TBLASTX:Cress
Start	3802	End	4344
GI	none	Score	65
Exons	3802..3882, 3904..3951, 3946..4125, 4002..4109, 4174..4344, 4185..4343		
Seq. No.	33224	Seq. ID	OJ990908 04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o2.ts	Method	TBLASTX:Soybean

Start	3823	End	4491
GI	none	Score	73
Exons	3823..3936, 3967..4344, 3967..4116, 3999..4346, 4429..4491		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o6.tw	Method	TBLASTX:Wheat
Start	4162	End	4434
GI	none	Score	337
Exons	4162..4434, 4191..4433		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o7.tw	Method	TBLASTX:Wheat
Start	8579	End	8912
GI	none	Score	134
Exons	8579..8911, 8631..8912		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o2.tm	Method	TBLASTX:Maize
Start	8774	End	9359
GI	none	Score	88
Exons	8774..9199, 8775..8972, 8795..9040, 9027..9200, 9195..9344, 9197..9358, 9204..9359		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o1.tw	Method	TBLASTX:Wheat
Start	8912	End	9538
GI	none	Score	44
Exons	8912..9538, 8913..8972, 9030..9479, 9191..9535		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o4.tm	Method	TBLASTX:Maize
Start	9407	End	9699
GI	none	Score	300
Exons	9407..9697, 9411..9698, 9411..9698, 9412..9699		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o3.ts	Method	TBLASTX:Soybean
Start	9497	End	9757
GI	none	Score	185
Exons	9497..9757, 9498..9746		

Seq. No.	33224	Seq. ID	OJ990908 04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o2.tc	Method	TBLASTX:Cress

Start	9521	End	9847
GI	none	Score	82
Exons	9521..9664, 9522..9662, 9665..9847		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o2.tw	Method	TBLASTX:Wheat
Start	9545	End	10084
GI	none	Score	264
Exons	9545..10084, 9549..9800, 9852..9902		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o3.tm	Method	TBLASTX:Maize
Start	10112	End	10465
GI	none	Score	212
Exons	10112..10465, 10119..10460		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o3.tw	Method	TBLASTX:Wheat
Start	10112	End	10537
GI	none	Score	316
Exons	10112..10537, 10119..10535		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o4.ts	Method	TBLASTX:Soybean
Start	10283	End	10531
GI	none	Score	206
Exons	10283..10531		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o6.tm	Method	TBLASTX:Maize
Start	10472	End	10804
GI	none	Score	144
Exons	10472..10804, 10473..10751		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o5.tw	Method	TBLASTX:Wheat
Start	10538	End	10801
GI	none	Score	250
Exons	10538..10801, 10539..10799		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o1.ts	Method	TBLASTX:Soybean
Start	10553	End	10948

GI	none	Score	189
Exons	10553..10804, 10563..10796, 10859..10912, 10869..10910, 10916..10948, 10916..10948		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o5.tm	Method	TBLASTX:Maize
Start	10859	End	11306
GI	none	Score	109
Exons	10859..11302, 10869..11306		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o4.tw	Method	TBLASTX:Wheat
Start	10889	End	11372
GI	none	Score	232
Exons	10889..11371, 10892..11368, 10932..11372		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o5.ts	Method	TBLASTX:Soybean
Start	11021	End	11335
GI	none	Score	192
Exons	11021..11335		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o8.tm	Method	TBLASTX:Maize
Start	11307	End	11500
GI	none	Score	156
Exons	11307..11462, 11309..11500		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o10.tw	Method	TBLASTX:Wheat
Start	11504	End	11857
GI	none	Score	261
Exons	11504..11857		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o8.tw	Method	TBLASTX:Wheat
Start	12191	End	12542
GI	none	Score	49
Exons	12191..12541, 12325..12393, 12369..12542		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o7.tm	Method	TBLASTX:Maize
Start	12236	End	12541

GI	none	Score	246
Exons	12236..12541		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o11.tw	Method	TBLASTX:Wheat
Start	12593	End	12791
GI	none	Score	136
Exons	12593..12790, 12594..12791		

Seq. No.	33224	Seq. ID	OJ990908_04.0218.C4
Gene No.	68882	Strand	-
Start	13220	End	14008
Name	OJ990908_04.0218.C4.o3.np	Method	AAT/NAP
Start	13220	End	14008
GI	4512231	Score	1286
Exons	13220..14008		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	33225	Seq. ID	OJ990908_04.0218.C5
Gene No.	68883	Strand	+
Start	55	End	419
Name	OJ990908_04.0218.C5.o1.gs	Method	GENSCAN
Start	55	End	419
GI	none	Score	.61
Exons	55..419		

Seq. No.	33225	Seq. ID	OJ990908_04.0218.C5
Gene No.	68884	Strand	+
Start	1109	End	1378
Name	OJ990908_04.0218.C5.o2.gs	Method	GENSCAN
Start	1109	End	1378
GI	none	Score	.66
Exons	1109..1378		

Seq. No.	33225	Seq. ID	OJ990908_04.0218.C5
Gene No.	68885	Strand	+
Start	12745	End	13095
Name	OJ990908_04.0218.C5.o6.gs	Method	GENSCAN
Start	12745	End	13095
GI	none	Score	.97
Exons	12745..13095		

Seq. No.	33225	Seq. ID	OJ990908_04.0218.C5
Gene No.	68886	Strand	+
Start	16228	End	16953
Name	OJ990908_04.0218.C5.o8.gs	Method	GENSCAN
Start	16228	End	16953
GI	none	Score	.85
Exons	16228..16338, 16447..16562, 16662..16953		

Seq. No.	33225	Seq. ID	OJ990908_04.0218.C5
Gene No.	68887	Strand	-
Start	1559	End	9292
Name	OJ990908_04.0218.C5.o3.gs	Method	GENSCAN
Start	1559	End	4598

GI	none	Score	.49
Exons	1559..1878, 3752..4598		

Seq. No.	33225	Seq. ID	OJ990908_04.0218.C5
Gene No.	68887	Strand	-
Start	1559	End	9292
Name	OJ990908_04.0218.C5.o1.np	Method	AAT/NAP
Start	3755	End	7079
GI	5734621	Score	193
Exons	3755..4005, 6987..7079		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	33225	Seq. ID	OJ990908_04.0218.C5
Gene No.	68887	Strand	-
Start	1559	End	9292
Name	OJ990908_04.0218.C5.o4.gs	Method	GENSCAN
Start	6298	End	9292
GI	none	Score	.67
Exons	6298..6391, 6952..7097, 7787..9292		

Seq. No.	33225	Seq. ID	OJ990908_04.0218.C5
Gene No.	68888	Strand	-
Start	13390	End	16890
Name	OJ990908_04.0218.C5.o2.tm	Method	TBLASTX:Maize
Start	6920	End	7153
GI	none	Score	144
Exons	6920..7036, 6939..7043, 6942..7043, 7043..7120, 7046..7102, 7104..7142, 7109..7153, 7114..7149		

Seq. No.	33225	Seq. ID	OJ990908_04.0218.C5
Gene No.	68888	Strand	-
Start	13390	End	16890
Name	OJ990908_04.0218.C5.o1.ts	Method	TBLASTX:Soybean
Start	6995	End	7236
GI	none	Score	157
Exons	6995..7039, 7114..7236		

Seq. No.	33225	Seq. ID	OJ990908_04.0218.C5
Gene No.	68888	Strand	-
Start	13390	End	16890
Name	OJ990908_04.0218.C5.o1.tm	Method	TBLASTX:Maize
Start	12913	End	16890
GI	none	Score	203
Exons	12913..13095, 12950..13087, 16223..16339, 16224..16340, 16224..16340, 16225..16341, 16438..16557, 16441..16515, 16522..16563, 16660..16752, 16662..16763, 16662..16748, 16789..16824, 16807..16890, 16809..16844, 16837..16866		

Seq. No.	33225	Seq. ID	OJ990908_04.0218.C5
Gene No.	68888	Strand	-
Start	13390	End	16890
Name	OJ990908_04.0218.C5.o7.gs	Method	GENSCAN
Start	13390	End	13659
GI	none	Score	.61
Exons	13390..13659		

Seq. No.	33226	Seq. ID	OJ990908_04.0218.C6
Gene No.	68889	Strand	-
Start	295	End	2374
Name	OJ990908_04.0218.C6.o1.tc	Method	TBLASTX:Cress
Start	292	End	2161
GI	none	Score	535
Exons	292..357, 387..842, 412..942, 416..862, 419..943, 848..910, 880..948, 952..1077, 953..1087, 1074..1154, 1076..1156, 1639..1761, 1646..1765, 1651..1776, 1757..2032, 1764..2015, 2039..2116, 2105..2161		

Seq. No.	33226	Seq. ID	OJ990908_04.0218.C6
Gene No.	68889	Strand	-
Start	295	End	2374
Name	OJ990908_04.0218.C6.o1.gp	Method	AAT/GAP
Start	295	End	2374
GI	169787	Score	3055
Exons	295..1154, 1643..2374		
GI Descrip.	1346057/sp|P47997|G11A_ORYSA 0.0e+00 PROTEIN KINASE G11A >gi_100705_pir__B30311 protein kinase C (EC 2.7.1.-) homolog - rice (fragment) >gi_169788_(J04556) G11A protein [Oryza sativa]		

Seq. No.	33226	Seq. ID	OJ990908_04.0218.C6
Gene No.	68889	Strand	-
Start	295	End	2374
Name	OJ990908_04.0218.C6.o1.np	Method	AAT/NAP
Start	295	End	2374
GI	1346057	Score	2608
Exons	295..1154, 1643..2374		
GI Descrip.	PROTEIN KINASE G11A gi|100705|pir||B30311 protein kinase C (EC 2.7.1.-) homolog - rice (fragment) gi|169788 (J04556) G11A protein [Oryza sativa]		

Seq. No.	33226	Seq. ID	OJ990908_04.0218.C6
Gene No.	68889	Strand	-
Start	295	End	2374
Name	OJ990908_04.0218.C6.o1.tm	Method	TBLASTX:Maize
Start	351	End	2059
GI	none	Score	238
Exons	351..767, 353..826, 365..826, 412..840, 424..840, 823..903, 832..948, 845..904, 904..1077, 905..1087, 1074..1154, 1075..1152, 1076..1156, 1638..1739, 1639..1761, 1649..1750, 1660..1761, 1757..2032, 1758..2018, 1766..2059, 1782..2036		

Seq. No.	33226	Seq. ID	OJ990908_04.0218.C6
Gene No.	68889	Strand	-
Start	295	End	2374
Name	OJ990908_04.0218.C6.o1.ts	Method	TBLASTX:Soybean
Start	354	End	1722
GI	none	Score	152
Exons	354..791, 354..848, 389..910, 412..1077, 416..850, 535..858, 848..973, 953..1087, 1074..1154, 1076..1156, 1639..1722, 1646..1720		

Seq. No.	33226	Seq. ID	OJ990908_04.0218.C6
Gene No.	68889	Strand	-

Start	295	End	2374
Name	OJ990908_04.0218.C6.o1.tw	Method	TBLASTX:Wheat
Start	412	End	733
GI	none	Score	340
Exons	412..732, 422..730, 506..733		

Seq. No.	33226	Seq. ID	OJ990908_04.0218.C6
Gene No.	68889	Strand	-
Start	295	End	2374
Name	OJ990908_04.0218.C6.o2.tw	Method	TBLASTX:Wheat
Start	734	End	1003
GI	none	Score	386
Exons	734..1003, 736..1002, 737..1003		

Seq. No.	33226	Seq. ID	OJ990908_04.0218.C6
Gene No.	68889	Strand	-
Start	295	End	2374
Name	OJ990908_04.0218.C6.o2.ts	Method	TBLASTX:Soybean
Start	1723	End	2170
GI	none	Score	38
Exons	1723..1761, 1724..1750, 1757..2032, 1758..2018, 1766..2170		

Seq. No.	33227	Seq. ID	OJ990908_04.0218.C7
Gene No.	68890	Strand	+
Start	671	End	895
Name	OJ990908_04.0218.C7.o1.gs	Method	GENSCAN
Start	671	End	895
GI	none	Score	.72
Exons	671..895		

Seq. No.	33227	Seq. ID	OJ990908_04.0218.C7
Gene No.	68891	Strand	+
Start	7008	End	10046
Name	OJ990908_04.0218.C7.o3.gs	Method	GENSCAN
Start	7008	End	10046
GI	none	Score	.61
Exons	7008..7161, 7755..7927, 8667..9104, 9267..10046		

Seq. No.	33227	Seq. ID	OJ990908_04.0218.C7
Gene No.	68892	Strand	-
Start	3761	End	4731
Name	OJ990908_04.0218.C7.o1.np	Method	AAT/NAP
Start	3761	End	4731
GI	5091523	Score	126
Exons	3761..4257, 4388..4731		
GI Descrip.	(AB023482) Similar to Gallus gallus mRNA for attachment region binding protein (ARBP).(Y14166) [Oryza sativa]		

Seq. No.	33227	Seq. ID	OJ990908_04.0218.C7
Gene No.	68893	Strand	
Start	6260	End	6646
Name	OJ990908_04.0218.C7.o3.tm	Method	TBLASTX:Maize
Start	6260	End	6646
GI	none	Score	65
Exons	6260..6319, 6305..6646		

Seq. No.	33227	Seq. ID	OJ990908_04.0218.C7

Gene No.	68894	Strand	
Start	9384	End	9823
Name	OJ990908_04.0218.C7.o1.tm	Method	TBLASTX:Maize
Start	9384	End	9823
GI	none	Score	89
Exons	9384..9494, 9546..9818, 9557..9823		

Seq. No.	33227	Seq. ID	OJ990908_04.0218.C7
Gene No.	68895	Strand	
Start	9824	End	10103
Name	OJ990908_04.0218.C7.o2.tm	Method	TBLASTX:Maize
Start	9824	End	10103
GI	none	Score	276
Exons	9824..10072, 9825..10103		

Seq. No.	33228	Seq. ID	OJ990908_04.0218.C8
Gene No.	68896	Strand	+
Start	268	End	1134
Name	OJ990908_04.0218.C8.o1.tw	Method	TBLASTX:Wheat
Start	5	End	299
GI	none	Score	130
Exons	5..151, 6..161, 141..299		

Seq. No.	33228	Seq. ID	OJ990908_04.0218.C8
Gene No.	68896	Strand	+
Start	268	End	1134
Name	OJ990908_04.0218.C8.o2.tm	Method	TBLASTX:Maize
Start	6	End	374
GI	none	Score	259
Exons	6..374, 185..373		

Seq. No.	33228	Seq. ID	OJ990908_04.0218.C8
Gene No.	68896	Strand	+
Start	268	End	1134
Name	OJ990908_04.0218.C8.o2.np	Method	AAT/NAP
Start	268	End	1134
GI	6069646	Score	340
Exons	268..1134		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	33228	Seq. ID	OJ990908_04.0218.C8
Gene No.	68896	Strand	+
Start	268	End	1134
Name	OJ990908_04.0218.C8.o1.gs	Method	GENSCAN
Start	306	End	1049
GI	none	Score	.9
Exons	306..941, 968..1049		

Seq. No.	33228	Seq. ID	OJ990908_04.0218.C8
Gene No.	68896	Strand	+
Start	268	End	1134
Name	OJ990908_04.0218.C8.o2.tw	Method	TBLASTX:Wheat
Start	779	End	986

GI	none	Score	54
Exons	779..916, 797..940, 801..986		

Seq. No.	33228	Seq. ID	OJ990908_04.0218.C8
Gene No.	68896	Strand	+
Start	268	End	1134
Name	OJ990908_04.0218.C8.o1.tm	Method	TBLASTX:Maize
Start	788	End	1010
GI	none	Score	281
Exons	788..1006, 795..1010		

Seq. No.	33229	Seq. ID	OJ990908_04.0218.C9
Gene No.	68897	Strand	+
Start	11	End	206
Name	OJ990908_04.0218.C9.o1.gs	Method	GENSCAN
Start	11	End	206
GI	none	Score	.58
Exons	11..103, 153..206		

Seq. No.	33230	Seq. ID	OJ990908_04.0218.C10
Gene No.	68898	Strand	+
Start	72	End	264
Name	OJ990908_04.0218.C10.o1.gs	Method	GENSCAN
Start	72	End	264
GI	none	Score	.62
Exons	72..264		

Seq. No.	33231	Seq. ID	OJ990908_04.0218.C12
Gene No.	68899	Strand	-
Start	1	End	1105
Name	OJ990908_04.0218.C12.o1.np	Method	AAT/NAP
Start	1	End	1105
GI	1628482	Score	839
Exons	1..1105		
GI Descrip.	(X97570) embryogenesis transmembrane protein [Zea mays]		

Seq. No.	33231	Seq. ID	OJ990908_04.0218.C12
Gene No.	68899	Strand	-
Start	1	End	1105
Name	OJ990908_04.0218.C12.o1.gs	Method	GENSCAN
Start	39	End	638
GI	none	Score	.62
Exons	39..152, 612..638		

Seq. No.	33231	Seq. ID	OJ990908_04.0218.C12
Gene No.	68899	Strand	-
Start	1	End	1105
Name	OJ990908_04.0218.C12.o1.tm	Method	TBLASTX:Maize
Start	280	End	1083
GI	none	Score	78
Exons	280..528, 517..624, 533..613, 988..1083		

Seq. No.	33232	Seq. ID	OJ990908_04.0218.C13
Gene No.	68900	Strand	-
Start	805	End	2438
Name	OJ990908_04.0218.C13.o1.gs	Method	GENSCAN
Start	805	End	2438

GI	none	Score	.56
Exons	805..998, 1098..1143, 1227..1428, 1443..2438		

Seq. No.	33232	Seq. ID	OJ990908_04.0218.C13
Gene No.	68900	Strand	-
Start	805	End	2438
Name	OJ990908_04.0218.C13.o1.tm	Method	TBLASTX:Maize
Start	1078	End	1562
GI	none	Score	70
Exons	1078..1140, 1250..1453, 1251..1493, 1267..1494, 1484..1561, 1485..1562		

Seq. No.	33232	Seq. ID	OJ990908_04.0218.C13
Gene No.	68900	Strand	-
Start	805	End	2438
Name	OJ990908_04.0218.C13.o2.ts	Method	TBLASTX:Soybean
Start	1200	End	1475
GI	none	Score	41
Exons	1200..1307, 1263..1475, 1288..1467		

Seq. No.	33232	Seq. ID	OJ990908_04.0218.C13
Gene No.	68900	Strand	-
Start	805	End	2438
Name	OJ990908_04.0218.C13.o1.ts	Method	TBLASTX:Soybean
Start	1733	End	2398
GI	none	Score	176
Exons	1733..1885, 1979..2398		

Seq. No.	33232	Seq. ID	OJ990908_04.0218.C13
Gene No.	68900	Strand	-
Start	805	End	2438
Name	OJ990908_04.0218.C13.o2.tm	Method	TBLASTX:Maize
Start	1733	End	2429
GI	none	Score	61
Exons	1733..1888, 1973..2116, 2156..2413, 2349..2429		

Seq. No.	33232	Seq. ID	OJ990908_04.0218.C13
Gene No.	68900	Strand	-
Start	805	End	2438
Name	OJ990908_04.0218.C13.o1.tw	Method	TBLASTX:Wheat
Start	2114	End	2410
GI	none	Score	195
Exons	2114..2410		

Seq. No.	33233	Seq. ID	OJ990908_04.0218.C14
Gene No.	68901	Strand	+
Start	77	End	167
Name	OJ990908_04.0218.C14.o1.gs	Method	GENSCAN
Start	77	End	167
GI	none	Score	.94
Exons	77..167		

Seq. No.	33234	Seq. ID	OJ990908_04.0218.C16
Gene No.	68902	Strand	-
Start	1	End	1960
Name	OJ990908_04.0218.C16.o1.np	Method	AAT/NAP
Start	1	End	1960

GI	1628482	Score	836
Exons	1..52, 809..1819, 1849..1960		
GI Descrip.	(X97570) embryogenesis transmembrane protein [Zea mays]		

Seq. No.	33234	Seq. ID	OJ990908_04.0218.C16
Gene No.	68902	Strand	-
Start	1	End	1960
Name	OJ990908_04.0218.C16.o1.gs	Method	GENSCAN
Start	561	End	1889
GI	none	Score	.51
Exons	561..581, 901..1094, 1286..1396, 1706..1889		

Seq. No.	33234	Seq. ID	OJ990908_04.0218.C16
Gene No.	68902	Strand	-
Start	1	End	1960
Name	OJ990908_04.0218.C16.o1.tm	Method	TBLASTX:Maize
Start	797	End	1796
GI	none	Score	110
Exons	797..922, 802..924, 803..928, 926..1081, 931..1095, 939..1049, 979..1095, 1131..1241, 1132..1239, 1140..1169, 1141..1170, 1557..1673, 1633..1674, 1684..1755, 1689..1796		

Seq. No.	33234	Seq. ID	OJ990908_04.0218.C16
Gene No.	68902	Strand	-
Start	1	End	1960
Name	OJ990908_04.0218.C16.o1.tw	Method	TBLASTX:Wheat
Start	1003	End	1820
GI	none	Score	98
Exons	1003..1095, 1083..1178, 1099..1203, 1108..1206, 1547..1690, 1551..1682, 1655..1726, 1665..1820, 1666..1761, 1766..1795		

Seq. No.	33235	Seq. ID	OJ990908_01.0218.C1
Gene No.	68903	Strand	+
Start	2185	End	3915
Name	OJ990908_01.0218.C1.o1.gs	Method	GENSCAN
Start	2185	End	3915
GI	none	Score	.91
Exons	2185..2469, 2527..2612, 3301..3414, 3504..3575, 3649..3744, 3802..3915		

Seq. No.	33236	Seq. ID	OJ990908_01.0218.C2
Gene No.	68904	Strand	+
Start	90	End	397
Name	OJ990908_01.0218.C2.o1.gs	Method	GENSCAN
Start	90	End	397
GI	none	Score	.92
Exons	90..156, 353..397		

Seq. No.	33236	Seq. ID	OJ990908_01.0218.C2
Gene No.	68905	Strand	-
Start	6749	End	8640
Name	OJ990908_01.0218.C2.o1.np	Method	AAT/NAP
Start	6749	End	8640
GI	6520161	Score	1396
Exons	6749..8199, 8509..8640		
GI Descrip.	(AB028198) ZF14 [Arabidopsis thaliana]		

Seq. No.	33236	Seq. ID	OJ990908_01.0218.C2
Gene No.	68905	Strand	-
Start	6749	End	8640
Name	OJ990908_01.0218.C2.o1.ts	Method	TBLASTX:Soybean
Start	6845	End	8179
GI	none	Score	72
Exons	6845..6892, 6948..7028, 7004..7234, 7092..7214, 7310..7519, 7311..7514, 7643..7843, 7973..8107, 7973..8035, 8099..8179		

Seq. No.	33236	Seq. ID	OJ990908_01.0218.C2
Gene No.	68905	Strand	-
Start	6749	End	8640
Name	OJ990908_01.0218.C2.o1.tc	Method	TBLASTX:Cress
Start	7004	End	7522
GI	none	Score	266
Exons	7004..7522		

Seq. No.	33236	Seq. ID	OJ990908_01.0218.C2
Gene No.	68905	Strand	-
Start	6749	End	8640
Name	OJ990908_01.0218.C2.o1.tm	Method	TBLASTX:Maize
Start	7004	End	7552
GI	none	Score	206
Exons	7004..7552		

Seq. No.	33236	Seq. ID	OJ990908_01.0218.C2
Gene No.	68905	Strand	-
Start	6749	End	8640
Name	OJ990908_01.0218.C2.o1.tw	Method	TBLASTX:Wheat
Start	7298	End	7567
GI	none	Score	112
Exons	7298..7567, 7311..7565		

Seq. No.	33237	Seq. ID	OJ990908_01.0218.C3
Gene No.	68906	Strand	+
Start	84	End	6414
Name	OJ990908_01.0218.C3.o1.gs	Method	GENSCAN
Start	84	End	6414
GI	none	Score	.55
Exons	84..374, 1128..1242, 1790..1878, 3874..4010, 5125..5272, 5997..6414		

Seq. No.	33237	Seq. ID	OJ990908_01.0218.C3
Gene No.	68907	Strand	+
Start	10275	End	10383
Name	OJ990908_01.0218.C3.o1.gp	Method	AAT/GAP
Start	10275	End	10383
GI	5867_1.R1084	Score	129
Exons	10275..10383		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	33237	Seq. ID	OJ990908_01.0218.C3
Gene No.	68908	Strand	-
Start	6754	End	18683
Name	OJ990908_01.0218.C3.o2.gs	Method	GENSCAN
Start	6754	End	16274
GI	none	Score	.73
Exons	6754..6914, 7028..7113, 9587..9932, 11558..11697, 11992..12089, 12291..12398, 12735..12814, 12986..13294, 13709..16274		

Seq. No.	33237	Seq. ID	OJ990908_01.0218.C3
Gene No.	68908	Strand	-
Start	6754	End	18683
Name	OJ990908_01.0218.C3.o2.gp	Method	AAT/GAP
Start	12519	End	13024
GI	3761672	Score	796
Exons	12519..12541, 12588..13024		

Seq. No.	33237	Seq. ID	OJ990908_01.0218.C3
Gene No.	68908	Strand	-
Start	6754	End	18683
Name	OJ990908_01.0218.C3.o1.np	Method	AAT/NAP
Start	12885	End	16247
GI	2827715	Score	3065
Exons	12885..13294, 13709..16247		
GI Descrip.	(AL021684) receptor protein kinase - like protein [Arabidopsis thaliana]		

Seq. No.	33237	Seq. ID	OJ990908_01.0218.C3
Gene No.	68908	Strand	-
Start	6754	End	18683
Name	OJ990908_01.0218.C3.o3.gp	Method	AAT/GAP
Start	14320	End	14706
GI	3761671	Score	701
Exons	14320..14706		
GI Descrip.	2827715/emb|CAA16688| 2.0e-26 (AL021684) receptor protein kinase - like protein [Arabidopsis thaliana]		

Seq. No.	33237	Seq. ID	OJ990908_01.0218.C3
Gene No.	68908	Strand	-
Start	6754	End	18683
Name	OJ990908_01.0218.C3.o2.np	Method	AAT/NAP
Start	14401	End	18683
GI	4584539	Score	245
Exons	14401..15023, 15246..15494, 18641..18683		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	33237	Seq. ID	OJ990908_01.0218.C3
Gene No.	68909	Strand	-
Start	34683	End	36235
Name	OJ990908_01.0218.C3.o3.tm	Method	TBLASTX:Maize
Start	12787	End	13200
GI	none	Score	106
Exons	12787..12912, 12805..12912, 12806..12916, 12807..12917, 12903..13199, 12904..13200		

Seq. No.	33237	Seq. ID	OJ990908_01.0218.C3
Gene No.	68909	Strand	-

Start	34683	End	36235
Name	OJ990908_01.0218.C3.o1.tc	Method	TBLASTX:Cress
Start	12949	End	15939
GI	none	Score	75
Exons	12949..13218, 12975..13133, 13161..13295, 13165..13296, 13194..13301, 13395..13463, 13710..13769, 13711..13839, 13776..14126, 13795..14127, 14115..14345, 14134..14286, 14472..14939, 14526..14843, 14529..14723, 14529..14852, 14529..14843, 14532..14843, 14532..14654, 14532..14843, 14604..14945, 14605..14715, 14628..14843, 14697..14858, 14748..14930, 14955..15230, 14961..15134, 14961..15056, 14970..15221, 14970..15530, 14971..15228, 15039..15221, 15222..15449, 15246..15806, 15246..15593, 15247..15342, 15249..15461, 15249..15329, 15258..15641, 15273..15407, 15330..15662, 15387..15515, 15394..15735, 15397..15519, 15423..15593, 15435..15737, 15438..15722, 15495..15644, 15507..15575, 15609..15809, 15619..15783, 15645..15809, 15651..15788, 15651..15725, 15657..15809, 15666..15803, 15766..15939, 15864..15920		

Seq. No.	33237	Seq. ID	OJ990908_01.0218.C3
Gene No.	68909	Strand	-
Start	34683	End	36235
Name	OJ990908_01.0218.C3.o1.ts	Method	TBLASTX:Soybean
Start	12999	End	15849
GI	none	Score	146
Exons	12999..13190, 13003..13191, 13188..13295, 13189..13296, 13710..13763, 13711..13758, 13761..14138, 13795..14106, 14121..14327, 14146..14286, 14433..15233, 14452..14580, 14529..14852, 14532..14858, 14532..14843, 14532..14843, 14533..14832, 14605..14700, 14628..14753, 14632..14763, 14740..14841, 14803..15003, 14970..15341, 14970..15236, 15040..15234, 15222..15344, 15243..15632, 15246..15425, 15246..15449, 15246..15770, 15327..15641, 15390..15641, 15403..15579, 15616..15738, 15645..15809, 15651..15803, 15651..15788, 15651..15803, 15652..15849, 15657..15803, 15687..15788		

Seq. No.	33237	Seq. ID	OJ990908_01.0218.C3
Gene No.	68909	Strand	-
Start	34683	End	36235
Name	OJ990908_01.0218.C3.o2.tm	Method	TBLASTX:Maize
Start	13200	End	14127
GI	none	Score	130
Exons	13200..13295, 13201..13296, 13244..13297, 13710..13772, 13711..13839, 13767..13976, 13770..13940, 13795..13974, 13928..13975, 13975..14127, 13975..14031, 13977..14126		

Seq. No.	33237	Seq. ID	OJ990908_01.0218.C3
Gene No.	68909	Strand	-
Start	34683	End	36235
Name	OJ990908_01.0218.C3.o1.tw	Method	TBLASTX:Wheat
Start	13809	End	14103
GI	none	Score	257
Exons	13809..14102, 13810..14103		

Seq. No.	33237	Seq. ID	OJ990908_01.0218.C3

Gene No.	68909	Strand	-
Start	34683	End	36235
Name	OJ990908_01.0218.C3.o4.tm	Method	TBLASTX:Maize
Start	14193	End	14495
GI	none	Score	123
Exons	14193..14267, 14193..14360, 14194..14430, 14424..14495, 14431..14493		

Seq. No.	33237	Seq. ID	OJ990908_01.0218.C3
Gene No.	68909	Strand	-
Start	34683	End	36235
Name	OJ990908_01.0218.C3.o1.tm	Method	TBLASTX:Maize
Start	14496	End	15852
GI	none	Score	60
Exons	14496..14771, 14526..14771, 14532..14630, 14565..14843, 14606..14761, 14634..14861, 14706..14852, 14743..14847, 14793..14858, 14997..15221, 15010..15186, 15222..15281, 15243..15497, 15247..15279, 15276..15440, 15285..15560, 15352..15786, 15354..15770, 15388..15852, 15390..15809, 15650..15760		

Seq. No.	33237	Seq. ID	OJ990908_01.0218.C3
Gene No.	68909	Strand	-
Start	34683	End	36235
Name	OJ990908_01.0218.C3.o5.tm	Method	TBLASTX:Maize
Start	26464	End	26783
GI	none	Score	163
Exons	26464..26646, 26468..26635, 26629..26778, 26640..26780, 26643..26783		

Seq. No.	33237	Seq. ID	OJ990908_01.0218.C3
Gene No.	68909	Strand	-
Start	34683	End	36235
Name	OJ990908_01.0218.C3.o5.gs	Method	GENSCAN
Start	34683	End	36235
GI	none	Score	.75
Exons	34683..35093, 35178..35666, 35729..35838, 35983..36235		

Seq. No.	33237	Seq. ID	OJ990908_01.0218.C3
Gene No.	68909	Strand	-
Start	34683	End	36235
Name	OJ990908_01.0218.C3.o3.np	Method	AAT/NAP
Start	34695	End	35286
GI	3738089	Score	275
Exons	34695..35093, 35178..35286		
GI Descrip.	(AC005617) putative bHLH transcription factor [Arabidopsis thaliana]		

Seq. No.	33237	Seq. ID	OJ990908_01.0218.C3
Gene No.	68909	Strand	-
Start	34683	End	36235
Name	OJ990908_01.0218.C3.o2.ts	Method	TBLASTX:Soybean
Start	34716	End	35267
GI	none	Score	123
Exons	34716..34892, 35004..35108, 35175..35267		

Seq. No.	33238	Seq. ID	OJ990908_01.0218.C4

Gene No.	68910	Strand	-
Start	486	End	3102
Name	OJ990908_01.0218.C4.o1.gs	Method	GENSCAN
Start	486	End	3102
GI	none	Score	.74
Exons	486..567, 772..859, 2868..3102		

Seq. No.	33239	Seq. ID	OJ990908_01.0218.C5
Gene No.	68911	Strand	-
Start	578	End	2028
Name	OJ990908_01.0218.C5.o1.gs	Method	GENSCAN
Start	578	End	2028
GI	none	Score	.58
Exons	578..770, 889..1049, 1637..1731, 1980..2028		

Seq. No.	33239	Seq. ID	OJ990908_01.0218.C5
Gene No.	68912	Strand	-
Start	2518	End	4080
Name	OJ990908_01.0218.C5.o2.gs	Method	GENSCAN
Start	2518	End	4080
GI	none	Score	.66
Exons	2518..2694, 3602..3711, 4030..4080		

Seq. No.	33240	Seq. ID	OJ990908_01.0218.C7
Gene No.	68913	Strand	+
Start	298	End	422
Name	OJ990908_01.0218.C7.o1.gs	Method	GENSCAN
Start	298	End	422
GI	none	Score	.52
Exons	298..422		

Seq. No.	33241	Seq. ID	OJ990908_01.0218.C9
Gene No.	68914	Strand	+
Start	2340	End	6826
Name	OJ990908_01.0218.C9.o1.gs	Method	GENSCAN
Start	2340	End	6826
GI	none	Score	.41
Exons	2340..2580, 2702..2783, 2886..2916, 3380..3567, 3809..3985, 5498..5609, 6589..6826		

Seq. No.	33241	Seq. ID	OJ990908_01.0218.C9
Gene No.	68915	Strand	+
Start	11777	End	13493
Name	OJ990908_01.0218.C9.o2.np	Method	AAT/NAP
Start	11777	End	12769
GI	2505879	Score	289
Exons	11777..12475, 12557..12769		
GI Descrip.	(Y12776) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33241	Seq. ID	OJ990908_01.0218.C9
Gene No.	68915	Strand	+
Start	11777	End	13493
Name	OJ990908_01.0218.C9.o3.gp	Method	AAT/GAP
Start	11875	End	12027
GI	none	Score	279
Exons	11875..12027		

Seq. No.	33241	Seq. ID	OJ990908_01.0218.C9
Gene No.	68915	Strand	+
Start	11777	End	13493
Name	OJ990908_01.0218.C9.o3.np	Method	AAT/NAP
Start	12185	End	13493
GI	5777617	Score	103
Exons	12185..12250, 13369..13493		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	33241	Seq. ID	OJ990908_01.0218.C9
Gene No.	68916	Strand	-
Start	390	End	485
Name	OJ990908_01.0218.C9.o1.gp	Method	AAT/GAP
Start	390	End	485
GI	uC-osflcyp022c06b2	Score	142
Exons	390..485		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 8.0e-25 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	33241	Seq. ID	OJ990908_01.0218.C9
Gene No.	68917	Strand	-
Start	3548	End	5976
Name	OJ990908_01.0218.C9.o2.gp	Method	AAT/GAP
Start	3548	End	5565
GI	21540_1.R1084	Score	1210
Exons	3548..3909, 3994..4085, 4499..4569, 5074..5170, 5539..5565		
GI Descrip.	'4835237/emb|CAB42915.1| 2.0e-34 (AL049862) putative clathrin coat assembly protein [Arabidopsis thaliana]'		

Seq. No.	33241	Seq. ID	OJ990908_01.0218.C9
Gene No.	68917	Strand	-
Start	3548	End	5976
Name	OJ990908_01.0218.C9.o1.np	Method	AAT/NAP
Start	3993	End	5976
GI	4835237	Score	398
Exons	3993..4085, 4499..4569, 5074..5170, 5539..5600, 5691..5733, 5908..5976		
GI Descrip.	(AL049862) putative clathrin coat assembly protein [Arabidopsis thaliana]		

Seq. No.	33241	Seq. ID	OJ990908_01.0218.C9
Gene No.	68918	Strand	-
Start	12641	End	13112
Name	OJ990908_01.0218.C9.o1.ts	Method	TBLASTX:Soybean
Start	11833	End	12376
GI	none	Score	110
Exons	11833..11937, 11834..11962, 12044..12175, 12052..12147, 12176..12229, 12251..12376		

Seq. No.	33241	Seq. ID	OJ990908_01.0218.C9
Gene No.	68918	Strand	-
Start	12641	End	13112
Name	OJ990908_01.0218.C9.o4.gp	Method	AAT/GAP
Start	12641	End	13112
GI	none	Score	888
Exons	12641..13112		

Seq. No.	33242	Seq. ID	OJ990908_02.0218.C1
Gene No.	68919	Strand	+
Start	8211	End	9199
Name	OJ990908_02.0218.C1.o2.gs	Method	GENSCAN
Start	8211	End	9199
GI	none	Score	.87
Exons	8211..8277, 8377..9112, 9163..9199		

Seq. No.	33242	Seq. ID	OJ990908_02.0218.C1
Gene No.	68919	Strand	+
Start	8211	End	9199
Name	OJ990908_02.0218.C1.o2.np	Method	AAT/NAP
Start	8293	End	9112
GI	2262099	Score	715
Exons	8293..8786, 8820..9112		
GI Descrip.	(AC002343) thaumatin isolog [Arabidopsis thaliana]		

Seq. No.	33242	Seq. ID	OJ990908_02.0218.C1
Gene No.	68920	Strand	-
Start	174	End	13865
Name	OJ990908_02.0218.C1.o1.gs	Method	GENSCAN
Start	174	End	2670
GI	none	Score	73
Exons	174..605, 1661..1734, 2492..2616, 2642..2670		

Seq. No.	33242	Seq. ID	OJ990908_02.0218.C1
Gene No.	68920	Strand	-
Start	174	End	13865
Name	OJ990908_02.0218.C1.o3.np	Method	AAT/NAP
Start	1931	End	13865
GI	6806911	Score	117
Exons	1931..1958, 8429..8600, 8777..8835, 11348..11495, 13822..13865		
GI Descrip.	formin gi|544346|sp|Q05860|FORM_MOUSE FORMIN (LIMB DEFORMITY PROTEIN) gi|478571|pir||S11515 formin - mouse gi|52878|emb|CAA37668| (X53599) formin [Mus musculus] gi|227109|prf||1614337A formin [Mus musculus]		

Seq. No.	33242	Seq. ID	OJ990908_02.0218.C1
Gene No.	68920	Strand	-
Start	174	End	13865
Name	OJ990908_02.0218.C1.o1.tm	Method	TBLASTX:Maize
Start	8225	End	8711
GI	none	Score	41
Exons	8225..8272, 8343..8384, 8387..8560, 8388..8567, 8573..8590, 8588..8644, 8589..8711		

Seq. No.	33242	Seq. ID	OJ990908_02.0218.C1
Gene No.	68920	Strand	-
Start	174	End	13865
Name	OJ990908_02.0218.C1.o1.tc	Method	TBLASTX:Cress
Start	8375	End	9056
GI	none	Score	164
Exons	8375..8581, 8382..8582, 8595..8768, 8612..8644, 8847..8879, 8898..9020, 8927..9016, 9021..9056		

Seq. No.	33242	Seq. ID	OJ990908_02.0218.C1
Gene No.	68920	Strand	-

Start	174	End	13865
Name	OJ990908_02.0218.C1.o1.ts	Method	TBLASTX:Soybean
Start	8375	End	9101
GI	none	Score	169
Exons	8375..8488, 8382..8567, 8594..8644, 8595..8768, 8749..8772, 8847..8879, 8898..9065, 8918..9061, 9075..9101		

Seq. No.	33242	Seq. ID	OJ990908_02.0218.C1
Gene No.	68920	Strand	-
Start	174	End	13865
Name	OJ990908_02.0218.C1.o2.tw	Method	TBLASTX:Wheat
Start	8418	End	8879
GI	none	Score	52
Exons	8418..8477, 8535..8564, 8595..8627, 8631..8768, 8847..8879		

Seq. No.	33242	Seq. ID	OJ990908_02.0218.C1
Gene No.	68920	Strand	-
Start	174	End	13865
Name	OJ990908_02.0218.C1.o1.tw	Method	TBLASTX:Wheat
Start	8898	End	9107
GI	none	Score	267
Exons	8898..9107, 8918..9097		

Seq. No.	33242	Seq. ID	OJ990908_02.0218.C1
Gene No.	68920	Strand	-
Start	174	End	13865
Name	OJ990908_02.0218.C1.o2.tm	Method	TBLASTX:Maize
Start	8898	End	9112
GI	none	Score	358
Exons	8898..9110, 8918..9112		

Seq. No.	33242	Seq. ID	OJ990908_02.0218.C1
Gene No.	68920	Strand	-
Start	174	End	13865
Name	OJ990908_02.0218.C1.o3.gs	Method	GENSCAN
Start	9491	End	9886
GI	none	Score	.97
Exons	9491..9886		

Seq. No.	33242	Seq. ID	OJ990908_02.0218.C1
Gene No.	68920	Strand	-
Start	174	End	13865
Name	OJ990908_02.0218.C1.o4.gs	Method	GENSCAN
Start	11945	End	12833
GI	none	Score	.62
Exons	11945..12021, 12508..12577, 12750..12833		

Seq. No.	33243	Seq. ID	OJ990908_02.0218.C2
Gene No.	68921	Strand	+
Start	1029	End	1475
Name	OJ990908_02.0218.C2.o1.gp	Method	AAT/GAP
Start	1029	End	1475
GI	LIB3432-059-P1-K1-D8	Score	716
Exons	1029..1475		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	33244	Seq. ID	OJ990908_02.0218.C3
Gene No.	68922	Strand	+
Start	619	End	1814
Name	OJ990908_02.0218.C3.o1.gs	Method	GENSCAN
Start	619	End	1814
GI	none	Score	.59
Exons	619..754, 1732..1814		

Seq. No.	33244	Seq. ID	OJ990908_02.0218.C3
Gene No.	68923	Strand	+
Start	4200	End	6855
Name	OJ990908_02.0218.C3.o2.gs	Method	GENSCAN
Start	4200	End	6855
GI	none	Score	.92
Exons	4200..5088, 5147..5332, 5518..5661, 6791..6855		

Seq. No.	33244	Seq. ID	OJ990908_02.0218.C3
Gene No.	68924	Strand	+
Start	18030	End	28842
Name	OJ990908_02.0218.C3.o4.np	Method	AAT/NAP
Start	18030	End	28842
GI	3894393	Score	103
Exons	18030..18097, 23246..23305, 23428..23502, 23607..23678, 24646..24789, 24899..24957, 26114..26202, 26292..26363, 28818..28842		
GI Descrip.	(AF053998) Hcr2-5D [Lycopersicon esculentum]		

Seq. No.	33244	Seq. ID	OJ990908_02.0218.C3
Gene No.	68924	Strand	+
Start	18030	End	28842
Name	OJ990908_02.0218.C3.o3.np	Method	AAT/NAP
Start	19512	End	21324
GI	6721516	Score	426
Exons	19512..19750, 20164..20561, 21206..21324		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	33244	Seq. ID	OJ990908_02.0218.C3
Gene No.	68924	Strand	+
Start	18030	End	28842
Name	OJ990908_02.0218.C3.o1.gp	Method	AAT/GAP
Start	26612	End	26884
GI	none	Score	438
Exons	26612..26884		

Seq. No.	33244	Seq. ID	OJ990908_02.0218.C3
Gene No.	68925	Strand	-
Start	9207	End	10394
Name	OJ990908_02.0218.C3.o3.gs	Method	GENSCAN
Start	9207	End	10394
GI	none	Score	.61
Exons	9207..9455, 10338..10394		

Seq. No.	33244	Seq. ID	OJ990908_02.0218.C3
Gene No.	68926	Strand	-
Start	25304	End	25905
Name	OJ990908_02.0218.C3.o1.tw	Method	TBLASTX:Wheat
Start	15150	End	15516

GI	none	Score	98
Exons	15150..15269, 15152..15280, 15262..15516, 15269..15403		

Seq. No.	33244	Seq. ID	OJ990908_02.0218.C3
Gene No.	68926	Strand	-
Start	25304	End	25905
Name	OJ990908_02.0218.C3.o2.tm	Method	TBLASTX:Maize
Start	15265	End	15811
GI	none	Score	41
Exons	15265..15315, 15272..15310, 15346..15714, 15353..15706, 15701..15811		

Seq. No.	33244	Seq. ID	OJ990908_02.0218.C3
Gene No.	68926	Strand	-
Start	25304	End	25905
Name	OJ990908_02.0218.C3.o1.ts	Method	TBLASTX:Soybean
Start	15887	End	16414
GI	none	Score	47
Exons	15887..15991, 15915..15989, 16062..16298, 16076..16288, 16358..16414		

Seq. No.	33244	Seq. ID	OJ990908_02.0218.C3
Gene No.	68926	Strand	-
Start	25304	End	25905
Name	OJ990908_02.0218.C3.o1.tm	Method	TBLASTX:Maize
Start	16073	End	16693
GI	none	Score	117
Exons	16073..16693, 16139..16498, 16521..16658		

Seq. No.	33244	Seq. ID	OJ990908_02.0218.C3
Gene No.	68926	Strand	-
Start	25304	End	25905
Name	OJ990908_02.0218.C3.o2.tw	Method	TBLASTX:Wheat
Start	16271	End	16651
GI	none	Score	51
Exons	16271..16351, 16332..16496, 16343..16495, 16500..16649, 16505..16651		

Seq. No.	33244	Seq. ID	OJ990908_02.0218.C3
Gene No.	68926	Strand	-
Start	25304	End	25905
Name	OJ990908_02.0218.C3.o6.gs	Method	GENSCAN
Start	25304	End	25905
GI	none	Score	.89
Exons	25304..25721, 25778..25905		

Seq. No.	33245	Seq. ID	OJ990908_02.0218.C4
Gene No.	68927	Strand	+
Start	1	End	173
Name	OJ990908_02.0218.C4.o1.gp	Method	AAT/GAP
Start	1	End	173
GI	287004	Score	314
Exons	1..173		
GI Descrip.	19560/emb|Z11889|MITTARRNG 1.0e-167 T.aestivum mitochondrion rrn26 gene for rRNA large subunit (26S)		

Seq. No.	33245	Seq. ID	OJ990908_02.0218.C4

Gene No.	68928	Strand	+
Start	313	End	585
Name	OJ990908_02.0218.C4.o3.gp	Method	AAT/GAP
Start	313	End	585
GI	0_2.R1084	Score	474
Exons	313..585		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	33245	Seq. ID	OJ990908_02.0218.C4
Gene No.	68929	Strand	-
Start	116	End	809
Name	OJ990908_02.0218.C4.o1.tc	Method	TBLASTX:Cress
Start	1	End	214
GI	none	Score	184
Exons	1..168, 1..171, 176..214		

Seq. No.	33245	Seq. ID	OJ990908_02.0218.C4
Gene No.	68929	Strand	-
Start	116	End	809
Name	OJ990908_02.0218.C4.o1.tw	Method	TBLASTX:Wheat
Start	1	End	330
GI	none	Score	427
Exons	1..330, 2..325		

Seq. No.	33245	Seq. ID	OJ990908_02.0218.C4
Gene No.	68929	Strand	-
Start	116	End	809
Name	OJ990908_02.0218.C4.o1.gs	Method	GENSCAN
Start	116	End	629
GI	none	Score	.46
Exons	116..331, 384..463, 539..629		

Seq. No.	33245	Seq. ID	OJ990908_02.0218.C4
Gene No.	68929	Strand	-
Start	116	End	809
Name	OJ990908_02.0218.C4.o1.tm	Method	TBLASTX:Maize
Start	275	End	656
GI	none	Score	101
Exons	275..391, 286..399, 320..391, 413..439, 443..463, 449..586, 594..656, 595..654		321..395, 322..408, 388..438, 450..587, 463..588, 502..597,

Seq. No.	33245	Seq. ID	OJ990908_02.0218.C4
Gene No.	68929	Strand	-
Start	116	End	809
Name	OJ990908_02.0218.C4.o2.tw	Method	TBLASTX:Wheat
Start	423	End	809
GI	none	Score	44
Exons	423..533, 566..727, 591..728, 726..770, 733..783, 767..808		591..791, 635..790, 708..809,

Seq. No.	33246	Seq. ID	OJ990908_02.0218.C5
Gene No.	68930	Strand	+
Start	384	End	622
Name	OJ990908_02.0218.C5.o1.gs	Method	GENSCAN
Start	384	End	622

GI	none	Score	.51
Exons	384..622		

Seq. No.	33246	Seq. ID	OJ990908_02.0218.C5
Gene No.	68931	Strand	+
Start	1298	End	5441
Name	OJ990908_02.0218.C5.o2.gs	Method	GENSCAN
Start	1298	End	5441
GI	none	Score	.78
Exons	1298..1438, 1708..1941, 2503..3060, 3072..3293, 3386..3491, 3657..3758, 4261..4362, 5329..5441		

Seq. No.	33246	Seq. ID	OJ990908_02.0218.C5
Gene No.	68932	Strand	+
Start	7593	End	8759
Name	OJ990908_02.0218.C5.o3.gs	Method	GENSCAN
Start	7593	End	8759
GI	none	Score	.9
Exons	7593..8759		

Seq. No.	33246	Seq. ID	OJ990908_02.0218.C5
Gene No.	68933	Strand	+
Start	14160	End	23531
Name	OJ990908_02.0218.C5.o5.gs	Method	GENSCAN
Start	14160	End	23531
GI	none	Score	.67
Exons	14160..15282, 17558..17657, 17971..18051, 18501..18526, 20313..20434, 21083..21274, 21647..22829, 23410..23531		

Seq. No.	33246	Seq. ID	OJ990908_02.0218.C5
Gene No.	68933	Strand	+
Start	14160	End	23531
Name	OJ990908_02.0218.C5.o1.gp	Method	AAT/GAP
Start	17953	End	18901
GI	LIB3431-062-P1-N1-H4	Score	955
Exons	17953..18051, 18501..18901		
GI Descrip.	'19560/emb|Z11889|MITTARRNG 1.0e-167 T.aestivum mitochondrion rrn26 gene for rRNA large subunit (26S)'		

Seq. No.	33246	Seq. ID	OJ990908_02.0218.C5
Gene No.	68934	Strand	-
Start	10227	End	10737
Name	OJ990908_02.0218.C5.o4.gs	Method	GENSCAN
Start	10227	End	10737
GI	none	Score	.9
Exons	10227..10402, 10692..10737		

Seq. No.	33246	Seq. ID	OJ990908_02.0218.C5
Gene No.	68935	Strand	-
Start	24314	End	25130
Name	OJ990908_02.0218.C5.o6.gs	Method	GENSCAN
Start	24314	End	25130
GI	none	Score	.59
Exons	24314..24362, 25040..25130		

Seq. No.	33247	Seq. ID	OJ990908_02.0218.C9
Gene No.	68936	Strand	+

Start	57	End	6989
Name	OJ990908_02.0218.C9.o1.gs	Method	GENSCAN
Start	57	End	6989
GI	none	Score	.56
Exons	57..161, 1341..1460, 1779..1889, 2623..2720, 3709..4015, 6123..6336, 6602..6799, 6886..6989		

Seq. No.	33247	Seq. ID	OJ990908_02.0218.C9
Gene No.	68937	Strand	+
Start	7899	End	10570
Name	OJ990908_02.0218.C9.o2.gs	Method	GENSCAN
Start	7899	End	10570
GI	none	Score	.54
Exons	7899..8881, 9485..9691, 10561..10570		

Seq. No.	33247	Seq. ID	OJ990908_02.0218.C9
Gene No.	68938	Strand	-
Start	996	End	7977
Name	OJ990908_02.0218.C9.o1.np	Method	AAT/NAP
Start	996	End	7977
GI	5777623	Score	851
Exons	996..1025, 2592..2835, 3668..4176, 4355..4503, 4752..4876, 7915..7977		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	33248	Seq. ID	OJ990908_02.0218.C10
Gene No.	68939	Strand	+
Start	1149	End	6237
Name	OJ990908_02.0218.C10.o1.gs	Method	GENSCAN
Start	1149	End	6231
GI	none	Score	.42
Exons	1149..1154, 2571..2645, 3546..4412, 5617..6231		

Seq. No.	33248	Seq. ID	OJ990908_02.0218.C10
Gene No.	68939	Strand	+
Start	1149	End	6237
Name	OJ990908_02.0218.C10.o1.np	Method	AAT/NAP
Start	3364	End	6237
GI	5915832	Score	731
Exons	3364..3447, 3542..4389, 5612..6237		
GI Descrip.	CYTOCHROME P450 76C2 gi|2979549|gb|AAC06158.1| (AC003680) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	33248	Seq. ID	OJ990908_02.0218.C10
Gene No.	68940	Strand	+
Start	12968	End	13958
Name	OJ990908_02.0218.C10.o4.gs	Method	GENSCAN
Start	12968	End	13958
GI	none	Score	.66
Exons	12968..13285, 13571..13745, 13846..13958		

Seq. No.	33248	Seq. ID	OJ990908_02.0218.C10
Gene No.	68941	Strand	-
Start	6942	End	8504
Name	OJ990908_02.0218.C10.o2.gs	Method	GENSCAN
Start	6942	End	8504
GI	none	Score	.57

Exons	6942..7163, 7467..7506, 8416..8504		
Seq. No.	33248	Seq. ID	OJ990908_02.0218.C10
Gene No.	68942	Strand	-
Start	9019	End	11152
Name	OJ990908_02.0218.C10.o3.gs	Method	GENSCAN
Start	9019	End	11152
GI	none	Score	.66
Exons	9019..9143, 9459..9550, 9631..9741, 10953..11022, 11113..11152		
Seq. No.	33248	Seq. ID	OJ990908_02.0218.C10
Gene No.	68943	Strand	-
Start	11185	End	13446
Name	OJ990908_02.0218.C10.o2.np	Method	AAT/NAP
Start	11185	End	13446
GI	5922620	Score	267
Exons	11185..11292, 12028..12137, 12602..12865, 13198..13446		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	33248	Seq. ID	OJ990908_02.0218.C10
Gene No.	68944	Strand	-
Start	14476	End	14894
Name	OJ990908_02.0218.C10.o2.tc	Method	TBLASTX:Cress
Start	3612	End	3950
GI	none	Score	212
Exons	3612..3950, 3623..3754		
Seq. No.	33248	Seq. ID	OJ990908_02.0218.C10
Gene No.	68944	Strand	-
Start	14476	End	14894
Name	OJ990908_02.0218.C10.o1.tm	Method	TBLASTX:Maize
Start	5616	End	6149
GI	none	Score	211
Exons	5616..5834, 5629..5850, 5830..5985, 5844..5981, 6010..6147, 6015..6149		
Seq. No.	33248	Seq. ID	OJ990908_02.0218.C10
Gene No.	68944	Strand	-
Start	14476	End	14894
Name	OJ990908_02.0218.C10.o1.tw	Method	TBLASTX:Wheat
Start	5616	End	5919
GI	none	Score	187
Exons	5616..5846, 5629..5838, 5860..5919, 5862..5918		
Seq. No.	33248	Seq. ID	OJ990908_02.0218.C10
Gene No.	68944	Strand	-
Start	14476	End	14894
Name	OJ990908_02.0218.C10.o1.ts	Method	TBLASTX:Soybean
Start	5622	End	6132
GI	none	Score	192
Exons	5622..5846, 5629..5838, 5817..5993, 5818..5988, 6010..6132		
Seq. No.	33248	Seq. ID	OJ990908_02.0218.C10

Gene No.	68944	Strand	-
Start	14476	End	14894
Name	OJ990908_02.0218.C10.o1.tc	Method	TBLASTX:Cress
Start	5625	End	6132
GI	none	Score	175
Exons	5625..5732, 5629..5850, 5830..5988, 5844..5972, 6010..6132		

Seq. No.	33248	Seq. ID	OJ990908_02.0218.C10
Gene No.	68944	Strand	-
Start	14476	End	14894
Name	OJ990908_02.0218.C10.o5.gs	Method	GENSCAN
Start	14476	End	14894
GI	none	Score	.48
Exons	14476..14493, 14616..14894		

Seq. No.	33249	Seq. ID	OJ990908_02.0218.C11
Gene No.	68945	Strand	-
Start	304	End	628
Name	OJ990908_02.0218.C11.o1.gs	Method	GENSCAN
Start	304	End	628
GI	none	Score	.63
Exons	304..363, 419..628		

Seq. No.	33250	Seq. ID	OJ990908_02.0218.C12
Gene No.	68946	Strand	+
Start	1	End	196
Name	OJ990908_02.0218.C12.o1.gp	Method	AAT/GAP
Start	1	End	196
GI	57581_1.R1084	Score	347
Exons	1..196		
GI Descrip.	'1785675/emb|CAA69780| 1.0e-23 (Y08501) orf107a [Arabidopsis thaliana]'		

Seq. No.	33250	Seq. ID	OJ990908_02.0218.C12
Gene No.	68947	Strand	-
Start	234	End	331
Name	OJ990908_02.0218.C12.o2.gp	Method	AAT/GAP
Start	234	End	331
GI	57581_1.R1084	Score	169
Exons	234..331		
GI Descrip.	'1785675/emb|CAA69780| 1.0e-23 (Y08501) orf107a [Arabidopsis thaliana]'		

Seq. No.	33250	Seq. ID	OJ990908_02.0218.C12
Gene No.	68948	Strand	-
Start	502	End	547
Name	OJ990908_02.0218.C12.o1.tc	Method	TBLASTX:Cress
Start	38	End	543
GI	none	Score	77
Exons	38..85, 39..83, 40..87, 195..329, 196..330, 197..331, 418..477, 418..468, 454..543, 464..541, 478..543		

Seq. No.	33250	Seq. ID	OJ990908_02.0218.C12
Gene No.	68948	Strand	-
Start	502	End	547
Name	OJ990908_02.0218.C12.o1.tw	Method	TBLASTX:Wheat
Start	57	End	547

GI	none	Score	377
Exons	57..83, 58..96, 66..329, 76..330, 104..331, 174..329, 413..457, 414..458, 414..458, 415..456, 417..503, 462..545, 463..546, 464..547		

Seq. No.	33250	Seq. ID	OJ990908_02.0218.C12
Gene No.	68948	Strand	-
Start	502	End	547
Name	OJ990908_02.0218.C12.o1.gs	Method	GENSCAN
Start	502	End	510
GI	none	Score	.9
Exons	502..510		

Seq. No.	33251	Seq. ID	OJ990818_01.0210.C1
Gene No.	68949	Strand	-
Start	244	End	503
Name	OJ990818_01.0210.C1.o1.gp	Method	AAT/GAP
Start	244	End	503
GI	LIB3431-010-P1-N1-F11	Score	453
Exons	244..503		
GI Descrip.	'287403/dbj|D10838|RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		

Seq. No.	33252	Seq. ID	OJ990818_01.0210.C3
Gene No.	68950	Strand	+
Start	2099	End	2585
Name	OJ990818_01.0210.C3.o1.gp	Method	AAT/GAP
Start	2099	End	2585
GI	none	Score	928
Exons	2099..2585		

Seq. No.	33252	Seq. ID	OJ990818_01.0210.C3
Gene No.	68951	Strand	+
Start	2614	End	6927
Name	OJ990818_01.0210.C3.o2.gp	Method	AAT/GAP
Start	2551	End	3477
GI	15977_1.R1084	Score	998
Exons	2551..2710, 2835..2893, 3130..3477		
GI Descrip.	'3821780/emb|AJ009303.1|XLAJ9303 7.0e-10 Xenopus laevis cDNA clone 27A6-1'		

Seq. No.	33252	Seq. ID	OJ990818_01.0210.C3
Gene No.	68951	Strand	+
Start	2614	End	6927
Name	OJ990818_01.0210.C3.o2.gs	Method	GENSCAN
Start	2614	End	5153
GI	none	Score	.97
Exons	2614..2710, 3130..3302, 4872..5153		

Seq. No.	33252	Seq. ID	OJ990818_01.0210.C3
Gene No.	68951	Strand	+
Start	2614	End	6927
Name	OJ990818_01.0210.C3.o3.gp	Method	AAT/GAP
Start	4907	End	5912
GI	42838_1.R1084	Score	1012
Exons	4907..5153, 5617..5912		
GI Descrip.	'3461820 3.0e-25 (AC004138) unknown protein [Arabidopsis		

thaliana]'

Seq. No.	33252	Seq. ID	OJ990818_01.0210.C3
Gene No.	68951	Strand	+
Start	2614	End	6927
Name	OJ990818_01.0210.C3.o1.np	Method	AAT/NAP
Start	4986	End	6927
GI	6522538	Score	112
Exons	4986..5109, 5761..5912, 6905..6927		
GI Descrip.	(AL132955) putative protein [Arabidopsis thaliana]		

Seq. No.	33252	Seq. ID	OJ990818_01.0210.C3
Gene No.	68951	Strand	+
Start	2614	End	6927
Name	OJ990818_01.0210.C3.o4.gp	Method	AAT/GAP
Start	6288	End	6347
GI	3759960	Score	58
Exons	6288..6347		

Seq. No.	33252	Seq. ID	OJ990818_01.0210.C3
Gene No.	68952	Strand	-
Start	1482	End	1989
Name	OJ990818_01.0210.C3.o1.gs	Method	GENSCAN
Start	1482	End	1989
GI	none	Score	.68
Exons	1482..1619, 1927..1989		

Seq. No.	33252	Seq. ID	OJ990818_01.0210.C3
Gene No.	68953	Strand	
Start	5660	End	5912
Name	OJ990818_01.0210.C3.o1.tw	Method	TBLASTX:Wheat
Start	5660	End	5912
GI	none	Score	71
Exons	5660..5707, 5661..5708, 5679..5744, 5820..5912, 5840..5908		

Seq. No.	33253	Seq. ID	OJ990818_01.0210.C4
Gene No.	68954	Strand	+
Start	1	End	2110
Name	OJ990818_01.0210.C4.o1.np	Method	AAT/NAP
Start	1	End	2110
GI	6522538	Score	377
Exons	1..25, 163..234, 1026..1127, 1231..1347, 1694..1774, 1893..2110		
GI Descrip.	(AL132955) putative protein [Arabidopsis thaliana]		

Seq. No.	33253	Seq. ID	OJ990818_01.0210.C4
Gene No.	68954	Strand	+
Start	1	End	2110
Name	OJ990818_01.0210.C4.o1.tm	Method	TBLASTX:Maize
Start	110	End	1987
GI	none	Score	146
Exons	110..235, 157..243, 162..242, 990..1088, 1023..1088, 1228..1350, 1228..1344, 1323..1379, 1695..1763, 1696..1758, 1747..1785, 1748..1786, 1895..1987, 1896..1985, 1900..1986		

Seq. No.	33253	Seq. ID	OJ990818_01.0210.C4
Gene No.	68954	Strand	+
Start	1	End	2110

Name	OJ990818_01.0210.C4.o1.gp	Method	AAT/GAP
Start	163	End	1052
GI	42838_1.R1084	Score	158
Exons	163..234, 1026..1052		
GI Descrip.	'3461820 3.0e-25 (AC004138) unknown protein [Arabidopsis thaliana]'		

Seq. No.	33253	Seq. ID	OJ990818_01.0210.C4
Gene No.	68954	Strand	+
Start	1	End	2110
Name	OJ990818_01.0210.C4.o1.gs	Method	GENSCAN
Start	163	End	1985
GI	none	Score	.84
Exons	163..234, 1026..1090, 1215..1347, 1694..1774, 1896..1985		

Seq. No.	33253	Seq. ID	OJ990818_01.0210.C4
Gene No.	68954	Strand	+
Start	1	End	2110
Name	OJ990818_01.0210.C4.o2.gp	Method	AAT/GAP
Start	1225	End	1988
GI	6726_1.R1084	Score	511
Exons	1225..1347, 1694..1774, 1896..1988		
GI Descrip.	'3461820 6.0e-22 (AC004138) unknown protein [Arabidopsis thaliana]'		

Seq. No.	33254	Seq. ID	OJ990818_01.0210.C5
Gene No.	68955	Strand	+
Start	379	End	650
Name	OJ990818_01.0210.C5.o1.gp	Method	AAT/GAP
Start	379	End	650
GI	6726_1.R1084	Score	510
Exons	379..650		
GI Descrip.	'3461820 6.0e-22 (AC004138) unknown protein [Arabidopsis thaliana]'		

Seq. No.	33254	Seq. ID	OJ990818_01.0210.C5
Gene No.	68956	Strand	+
Start	3735	End	4676
Name	OJ990818_01.0210.C5.o2.gs	Method	GENSCAN
Start	3735	End	4676
GI	none	Score	.79
Exons	3735..3839, 4443..4676		

Seq. No.	33254	Seq. ID	OJ990818_01.0210.C5
Gene No.	68957	Strand	+
Start	5942	End	10157
Name	OJ990818_01.0210.C5.o3.gs	Method	GENSCAN
Start	5942	End	10157
GI	none	Score	.89
Exons	5942..6523, 7854..8066, 8738..9004, 9430..9675, 10089..10157		

Seq. No.	33254	Seq. ID	OJ990818_01.0210.C5
Gene No.	68957	Strand	+
Start	5942	End	10157
Name	OJ990818_01.0210.C5.o1.np	Method	AAT/NAP
Start	6032	End	9753
GI	6957720	Score	1012

Exons	6032..6523, 7854..8066, 8738..9004, 9430..9753		
GI Descrip.	(AC021640) putative mannose-6-phosphate isomerase [Arabidopsis thaliana]		

Seq. No.	33254	Seq. ID	OJ990818_01.0210.C5
Gene No.	68957	Strand	+
Start	5942	End	10157
Name	OJ990818_01.0210.C5.o1.ts	Method	TBLASTX:Soybean
Start	6095	End	9744
GI	none	Score	43
Exons	6095..6163, 6188..6238, 6295..6384, 6299..6388, 6442..6507, 6443..6523, 7839..8069, 7865..8068, 8735..9004, 8737..9024, 8746..9006, 9423..9602, 9427..9597, 9664..9744, 9717..9743		

Seq. No.	33254	Seq. ID	OJ990818_01.0210.C5
Gene No.	68957	Strand	+
Start	5942	End	10157
Name	OJ990818_01.0210.C5.o1.tm	Method	TBLASTX:Maize
Start	6439	End	8915
GI	none	Score	102
Exons	6439..6510, 6440..6511, 7839..8069, 7865..8065, 8735..8914, 8740..8913, 8745..8915, 8799..8915		

Seq. No.	33254	Seq. ID	OJ990818_01.0210.C5
Gene No.	68957	Strand	+
Start	5942	End	10157
Name	OJ990818_01.0210.C5.o1.tc	Method	TBLASTX:Cress
Start	8734	End	9483
GI	none	Score	69
Exons	8734..8871, 8735..9001, 8749..8991, 8798..8992, 9433..9483		

Seq. No.	33255	Seq. ID	OJ990818_01.0210.C6
Gene No.	68958	Strand	+
Start	1235	End	1536
Name	OJ990818_01.0210.C6.o1.gp	Method	AAT/GAP
Start	1235	End	1536
GI	LIB3432-058-P1-K1-E12	Score	328
Exons	1235..1536		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 8.0e-31 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	33255	Seq. ID	OJ990818_01.0210.C6
Gene No.	68959	Strand	+
Start	7819	End	14228
Name	OJ990818_01.0210.C6.o1.np	Method	AAT/NAP
Start	7819	End	14228
GI	5257279	Score	6621
Exons	7819..8364, 8713..8949, 9575..12290, 12507..12669, 12784..13388, 14182..14228		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	33255	Seq. ID	OJ990818_01.0210.C6
Gene No.	68960	Strand	-
Start	4150	End	4758
Name	OJ990818_01.0210.C6.o2.gs	Method	GENSCAN
Start	4150	End	4758

GI	none	Score	1
Exons	4150..4758		

Seq. No.	33255	Seq. ID	OJ990818_01.0210.C6
Gene No.	68961	Strand	
Start	9467	End	9853
Name	OJ990818_01.0210.C6.o8.tw	Method	TBLASTX:Wheat
Start	9467	End	9853
GI	none	Score	148
Exons	9467..9682, 9490..9672, 9640..9843, 9707..9853		

Seq. No.	33255	Seq. ID	OJ990818_01.0210.C6
Gene No.	68962	Strand	
Start	10400	End	10783
Name	OJ990818_01.0210.C6.o6.tm	Method	TBLASTX:Maize
Start	10400	End	10725
GI	none	Score	208
Exons	10400..10723, 10436..10723, 10591..10725		

Seq. No.	33255	Seq. ID	OJ990818_01.0210.C6
Gene No.	68962	Strand	
Start	10400	End	10783
Name	OJ990818_01.0210.C6.o7.tw	Method	TBLASTX:Wheat
Start	10405	End	10783
GI	none	Score	144
Exons	10405..10527, 10406..10627, 10493..10573, 10643..10777, 10661..10783, 10672..10782		

Seq. No.	33255	Seq. ID	OJ990818_01.0210.C6
Gene No.	68963	Strand	
Start	10953	End	11822
Name	OJ990818_01.0210.C6.o4.tw	Method	TBLASTX:Wheat
Start	10953	End	11435
GI	none	Score	539
Exons	10953..11435, 11057..11260, 11073..11426, 11288..11431		

Seq. No.	33255	Seq. ID	OJ990818_01.0210.C6
Gene No.	68963	Strand	
Start	10953	End	11822
Name	OJ990818_01.0210.C6.o4.tm	Method	TBLASTX:Maize
Start	10962	End	11254
GI	none	Score	360
Exons	10962..11252, 10992..11252, 11066..11254		

Seq. No.	33255	Seq. ID	OJ990818_01.0210.C6
Gene No.	68963	Strand	
Start	10953	End	11822
Name	OJ990818_01.0210.C6.o2.tc	Method	TBLASTX:Cress
Start	11081	End	11399
GI	none	Score	185
Exons	11081..11251, 11082..11399		

Seq. No.	33255	Seq. ID	OJ990818_01.0210.C6
Gene No.	68963	Strand	
Start	10953	End	11822
Name	OJ990818_01.0210.C6.o3.tm	Method	TBLASTX:Maize
Start	11322	End	11822

GI	none	Score	164
Exons	11322..11504, 11487..11822, 11573..11701, 11729..11776		

Seq. No.	33255	Seq. ID	OJ990818_01.0210.C6
Gene No.	68963	Strand	
Start	10953	End	11822
Name	OJ990818_01.0210.C6.o1.ts	Method	TBLASTX:Soybean
Start	11376	End	11771
GI	none	Score	54
Exons	11376..11408, 11376..11405, 11378..11407, 11406..11555, 11412..11771, 11414..11770		

Seq. No.	33255	Seq. ID	OJ990818_01.0210.C6
Gene No.	68963	Strand	
Start	10953	End	11822
Name	OJ990818_01.0210.C6.o5.tw	Method	TBLASTX:Wheat
Start	11484	End	11786
GI	none	Score	395
Exons	11484..11786, 11490..11720, 11504..11770		

Seq. No.	33255	Seq. ID	OJ990818_01.0210.C6
Gene No.	68964	Strand	
Start	11787	End	12290
Name	OJ990818_01.0210.C6.o2.tw	Method	TBLASTX:Wheat
Start	11787	End	12290
GI	none	Score	626
Exons	11787..12290, 11822..12289		

Seq. No.	33255	Seq. ID	OJ990818_01.0210.C6
Gene No.	68964	Strand	
Start	11787	End	12290
Name	OJ990818_01.0210.C6.o3.ts	Method	TBLASTX:Soybean
Start	11793	End	12038
GI	none	Score	204
Exons	11793..12038		

Seq. No.	33255	Seq. ID	OJ990818_01.0210.C6
Gene No.	68964	Strand	
Start	11787	End	12290
Name	OJ990818_01.0210.C6.o2.tm	Method	TBLASTX:Maize
Start	11859	End	12212
GI	none	Score	456
Exons	11859..12212, 11861..12199		

Seq. No.	33255	Seq. ID	OJ990818_01.0210.C6
Gene No.	68965	Strand	
Start	12290	End	13800
Name	OJ990818_01.0210.C6.o3.tw	Method	TBLASTX:Wheat
Start	12290	End	12770
GI	none	Score	578
Exons	12290..12766, 12291..12770		

Seq. No.	33255	Seq. ID	OJ990818_01.0210.C6
Gene No.	68965	Strand	
Start	12290	End	13800
Name	OJ990818_01.0210.C6.o1.tc	Method	TBLASTX:Cress
Start	12486	End	12802

GI	none	Score	109
Exons	12486..12659, 12494..12607, 12660..12770, 12662..12802		

Seq. No.	33255	Seq. ID	OJ990818_01.0210.C6
Gene No.	68965	Strand	
Start	12290	End	13800
Name	OJ990818_01.0210.C6.o2.ts	Method	TBLASTX:Soybean
Start	12578	End	12824
GI	none	Score	224
Exons	12578..12823, 12579..12824		

Seq. No.	33255	Seq. ID	OJ990818_01.0210.C6
Gene No.	68965	Strand	
Start	12290	End	13800
Name	OJ990818_01.0210.C6.o5.tm	Method	TBLASTX:Maize
Start	12626	End	12917
GI	none	Score	332
Exons	12626..12913, 12627..12917		

Seq. No.	33255	Seq. ID	OJ990818_01.0210.C6
Gene No.	68965	Strand	
Start	12290	End	13800
Name	OJ990818_01.0210.C6.o1.tw	Method	TBLASTX:Wheat
Start	12801	End	13379
GI	none	Score	653
Exons	12801..13379, 12842..13375		

Seq. No.	33255	Seq. ID	OJ990818_01.0210.C6
Gene No.	68965	Strand	
Start	12290	End	13800
Name	OJ990818_01.0210.C6.o1.tm	Method	TBLASTX:Maize
Start	12969	End	13554
GI	none	Score	222
Exons	12969..13127, 12971..13123, 12997..13131, 13065..13265, 13120..13266, 13124..13375, 13125..13376, 13387..13554, 13389..13553		

Seq. No.	33255	Seq. ID	OJ990818_01.0210.C6
Gene No.	68965	Strand	
Start	12290	End	13800
Name	OJ990818_01.0210.C6.o6.tw	Method	TBLASTX:Wheat
Start	13390	End	13746
GI	none	Score	390
Exons	13390..13746, 13401..13637		

Seq. No.	33255	Seq. ID	OJ990818_01.0210.C6
Gene No.	68965	Strand	
Start	12290	End	13800
Name	OJ990818_01.0210.C6.o7.tm	Method	TBLASTX:Maize
Start	13554	End	13800
GI	none	Score	183
Exons	13554..13682, 13555..13800		

Seq. No.	33256	Seq. ID	OJ990818_01.0210.C8
Gene No.	68966	Strand	-
Start	1842	End	5323
Name	OJ990818_01.0210.C8.o1.gs	Method	GENSCAN

Start	1842	End	5323
GI	none	Score	.66
Exons	1842..2018, 2156..2354, 2462..2583, 5234..5323		

Seq. No.	33257	Seq. ID	OJ990818_01.0210.C9
Gene No.	68967	Strand	+
Start	31	End	298
Name	OJ990818_01.0210.C9.o1.gs	Method	GENSCAN
Start	31	End	298
GI	none	Score	.48
Exons	31..129, 207..298		

Seq. No.	33258	Seq. ID	OJ990818_01.0210.C11
Gene No.	68968	Strand	+
Start	400	End	760
Name	OJ990818_01.0210.C11.o1.gs	Method	GENSCAN
Start	400	End	760
GI	none	Score	.75
Exons	400..454, 487..593, 677..760		

Seq. No.	33258	Seq. ID	OJ990818_01.0210.C11
Gene No.	68969	Strand	+
Start	6438	End	8183
Name	OJ990818_01.0210.C11.o2.gs	Method	GENSCAN
Start	6438	End	8183
GI	none	Score	.82
Exons	6438..6541, 7358..7514, 8133..8183		

Seq. No.	33258	Seq. ID	OJ990818_01.0210.C11
Gene No.	68970	Strand	-
Start	3109	End	3485
Name	OJ990818_01.0210.C11.o1.gp	Method	AAT/GAP
Start	3109	End	3485
GI	59410_1.R1084	Score	656
Exons	3109..3485		
GI Descrip.	'2499945/sp|Q42586|PYR5_ARATH 3.0e-51 URIDINE 5''-MONOPHOSPHATE SYNTHASE (UMP SYNTHASE) [INCLUDES: OROTATE PHOSPHORIBOSYLTRANSFERASE (OPRTASE); OROTIDINE 5''-PHOSPHATE DECARBOXYLASE (OMPDECASE)] >gi_1076363_pir__S46440 orotate phosphoribosyltransferase (EC 2.4.2.10) / orotidine-5''-phosphate decarboxylase (EC 4.1.1.23) - Arabidopsis thaliana >gi_443818_emb_CAA50686_ (X71842) pyrE-F [Ara'		

Seq. No.	33259	Seq. ID	OJ990818_01.0210.C12
Gene No.	68971	Strand	-
Start	4183	End	4950
Name	OJ990818_01.0210.C12.o2.np	Method	AAT/NAP
Start	4183	End	4950
GI	4680183	Score	187
Exons	4183..4272, 4880..4950		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	33259	Seq. ID	OJ990818 01.0210.C12
Gene No.	68972	Strand	-
Start	8291	End	9182
Name	OJ990818_01.0210.C12.o2.gs	Method	GENSCAN

Start	8291	End	9182
GI	none	Score	.74
Exons	8291..8511, 9029..9182		

Seq. No.	33260	Seq. ID	OJ990818_01.0210.C13
Gene No.	68973	Strand	+
Start	8240	End	8796
Name	OJ990818_01.0210.C13.o1.gp	Method	AAT/GAP
Start	8240	End	8796
GI	none	Score	666
Exons	8240..8796		

Seq. No.	33260	Seq. ID	OJ990818_01.0210.C13
Gene No.	68974	Strand	+
Start	13852	End	17008
Name	OJ990818_01.0210.C13.o3.gs	Method	GENSCAN
Start	13852	End	17008
GI	none	Score	.41
Exons	13852..13854, 13932..14039, 14969..15033, 15045..15312, 15727..15849, 16010..17008		

Seq. No.	33260	Seq. ID	OJ990818_01.0210.C13
Gene No.	68974	Strand	+
Start	13852	End	17008
Name	OJ990818_01.0210.C13.o2.np	Method	AAT/NAP
Start	14369	End	16218
GI	6006359	Score	70
Exons	14369..14473, 16189..16218		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	33260	Seq. ID	OJ990818_01.0210.C13
Gene No.	68975	Strand	-
Start	932	End	7170
Name	OJ990818_01.0210.C13.o1.np	Method	AAT/NAP
Start	932	End	7170
GI	4185148	Score	211
Exons	932..951, 2756..3296, 6431..6460, 7118..7170		
GI Descrip.	(AC005724) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	33260	Seq. ID	OJ990818_01.0210.C13
Gene No.	68976	Strand	-
Start	12263	End	12641
Name	OJ990818_01.0210.C13.o1.tw	Method	TBLASTX:Wheat
Start	2766	End	3207
GI	none	Score	62
Exons	2766..2843, 2916..3206, 3025..3207		

Seq. No.	33260	Seq. ID	OJ990818_01.0210.C13
Gene No.	68976	Strand	-
Start	12263	End	12641
Name	OJ990818_01.0210.C13.o1.tm	Method	TBLASTX:Maize
Start	2853	End	3395
GI	none	Score	81
Exons	2853..3395, 2962..3105		

Seq. No.	33260	Seq. ID	OJ990818_01.0210.C13

Gene No.	68976	Strand	-
Start	12263	End	12641
Name	OJ990818_01.0210.C13.o2.gs	Method	GENSCAN
Start	12263	End	12641
GI	none	Score	.94
Exons	12263..12403, 12477..12641		

Seq. No.	33260	Seq. ID	OJ990818_01.0210.C13
Gene No.	68977	Strand	
Start	16508	End	16912
Name	OJ990818_01.0210.C13.o2.tm	Method	TBLASTX:Maize
Start	16508	End	16912
GI	none	Score	79
Exons	16508..16627, 16652..16912		

Seq. No.	33261	Seq. ID	OJ990818_01.0210.C14
Gene No.	68978	Strand	+
Start	1	End	2636
Name	OJ990818_01.0210.C14.o1.np	Method	AAT/NAP
Start	1	End	2227
GI	6466937	Score	1462
Exons	1..2227		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	33261	Seq. ID	OJ990818_01.0210.C14
Gene No.	68978	Strand	+
Start	1	End	2636
Name	OJ990818_01.0210.C14.o1.gs	Method	GENSCAN
Start	425	End	2636
GI	none	Score	.68
Exons	425..732, 838..1166, 1350..1577, 1662..2017, 2039..2179, 2616..2636		

Seq. No.	33261	Seq. ID	OJ990818_01.0210.C14
Gene No.	68978	Strand	+
Start	1	End	2636
Name	OJ990818_01.0210.C14.o1.gp	Method	AAT/GAP
Start	1069	End	1460
GI	uC-osflcyp158c04b1	Score	704
Exons	1069..1460		
GI Descrip.	'2995405/emb|CAA73042| 5.0e-20 (Y12432) polyprotein [Ananas comosus]'		

Seq. No.	33261	Seq. ID	OJ990818_01.0210.C14
Gene No.	68979	Strand	-
Start	1831	End	2145
Name	OJ990818_01.0210.C14.o1.ts	Method	TBLASTX:Soybean
Start	1	End	352
GI	none	Score	327
Exons	1..339, 2..352		

Seq. No.	33261	Seq. ID	OJ990818_01.0210.C14
Gene No.	68979	Strand	-
Start	1831	End	2145
Name	OJ990818_01.0210.C14.o1.tw	Method	TBLASTX:Wheat
Start	65	End	466

GI	none	Score	306
Exons	65..466, 97..432		
Seq. No.	33261	Seq. ID	OJ990818_01.0210.C14
Gene No.	68979	Strand	-
Start	1831	End	2145
Name	OJ990818_01.0210.C14.o1.tm	Method	TBLASTX:Maize
Start	89	End	616
GI	none	Score	588
Exons	89..616, 124..600, 416..595		
Seq. No.	33261	Seq. ID	OJ990818_01.0210.C14
Gene No.	68979	Strand	-
Start	1831	End	2145
Name	OJ990818_01.0210.C14.o3.ts	Method	TBLASTX:Soybean
Start	376	End	619
GI	none	Score	208
Exons	376..525, 377..619		
Seq. No.	33261	Seq. ID	OJ990818_01.0210.C14
Gene No.	68979	Strand	-
Start	1831	End	2145
Name	OJ990818_01.0210.C14.o4.tm	Method	TBLASTX:Maize
Start	617	End	1036
GI	none	Score	179
Exons	617..793, 619..786, 806..1036, 814..1020		
Seq. No.	33261	Seq. ID	OJ990818_01.0210.C14
Gene No.	68979	Strand	-
Start	1831	End	2145
Name	OJ990818_01.0210.C14.o2.tw	Method	TBLASTX:Wheat
Start	806	End	1203
GI	none	Score	296
Exons	806..1171, 832..1104, 1138..1203		
Seq. No.	33261	Seq. ID	OJ990818_01.0210.C14
Gene No.	68979	Strand	-
Start	1831	End	2145
Name	OJ990818_01.0210.C14.o2.tm	Method	TBLASTX:Maize
Start	1037	End	1669
GI	none	Score	119
Exons	1037..1153, 1108..1653, 1182..1661, 1211..1669		
Seq. No.	33261	Seq. ID	OJ990818_01.0210.C14
Gene No.	68979	Strand	-
Start	1831	End	2145
Name	OJ990818_01.0210.C14.o2.ts	Method	TBLASTX:Soybean
Start	1058	End	1444
GI	none	Score	99
Exons	1058..1162, 1090..1359, 1214..1444		
Seq. No.	33261	Seq. ID	OJ990818_01.0210.C14
Gene No.	68979	Strand	-
Start	1831	End	2145
Name	OJ990818_01.0210.C14.o4.tw	Method	TBLASTX:Wheat
Start	1292	End	1678
GI	none	Score	243

Exons	1292..1678		
Seq. No.	33261	Seq. ID	OJ990818_01.0210.C14
Gene No.	68979	Strand	-
Start	1831	End	2145
Name	OJ990818_01.0210.C14.o3.tm	Method	TBLASTX:Maize
Start	1739	End	2080
GI	none	Score	327
Exons	1739..2080, 1760..2062, 1780..2079		
Seq. No.	33261	Seq. ID	OJ990818_01.0210.C14
Gene No.	68979	Strand	-
Start	1831	End	2145
Name	OJ990818_01.0210.C14.o3.tw	Method	TBLASTX:Wheat
Start	1745	End	2124
GI	none	Score	294
Exons	1745..2080, 1775..2074, 1780..2124		
Seq. No.	33261	Seq. ID	OJ990818_01.0210.C14
Gene No.	68979	Strand	-
Start	1831	End	2145
Name	OJ990818_01.0210.C14.o2.gp	Method	AAT/GAP
Start	1831	End	2145
GI	uC-osf1cyp158c04a1	Score	484
Exons	1831..2145		
GI Descrip.	'4581164/gb|AAD24647.1|AC006220_3 2.0e-17 (AC006220) putative polyprotein [Arabidopsis thaliana]'		
Seq. No.	33262	Seq. ID	OJ990818_01.0210.C15
Gene No.	68980	Strand	+
Start	106	End	2919
Name	OJ990818_01.0210.C15.o1.gs	Method	GENSCAN
Start	106	End	2919
GI	none	Score	.42
Exons	106..167, 445..515, 865..1061, 1465..1528, 2765..2919		
Seq. No.	33263	Seq. ID	OJ990818_01.0210.C16
Gene No.	68981	Strand	-
Start	1116	End	2923
Name	OJ990818_01.0210.C16.o1.np	Method	AAT/NAP
Start	1116	End	2923
GI	5262207	Score	91
Exons	1116..1309, 2888..2923		
GI Descrip.	(AL080254) putative protein [Arabidopsis thaliana]		
Seq. No.	33264	Seq. ID	OJ990818_01.0210.C17
Gene No.	68982	Strand	+
Start	205	End	321
Name	OJ990818_01.0210.C17.o1.gs	Method	GENSCAN
Start	205	End	321
GI	none	Score	.48
Exons	205..321		
Seq. No.	33265	Seq. ID	OJ990818_01.0210.C20
Gene No.	68983	Strand	+
Start	39	End	112
Name	OJ990818_01.0210.C20.o1.gs	Method	GENSCAN

Start	39	End	112
GI	none	Score	.86
Exons	39..112		

Seq. No.	33266	Seq. ID	OJ990818_01.0210.C21
Gene No.	68984	Strand	-
Start	403	End	526
Name	OJ990818_01.0210.C21.o1.gs	Method	GENSCAN
Start	403	End	526
GI	none	Score	.56
Exons	403..526		

Seq. No.	33267	Seq. ID	OJ991018_12.0301.C1
Gene No.	68985	Strand	+
Start	477	End	649
Name	OJ991018_12.0301.C1.o1.gs	Method	GENSCAN
Start	477	End	649
GI	none	Score	.92
Exons	477..649		

Seq. No.	33267	Seq. ID	OJ991018_12.0301.C1
Gene No.	68986	Strand	-
Start	3458	End	5712
Name	OJ991018_12.0301.C1.o2.gs	Method	GENSCAN
Start	3458	End	5712
GI	none	Score	.67
Exons	3458..3638, 4546..5261, 5449..5712		

Seq. No.	33267	Seq. ID	OJ991018_12.0301.C1
Gene No.	68987	Strand	-
Start	6824	End	7312
Name	OJ991018_12.0301.C1.o3.gs	Method	GENSCAN
Start	6824	End	7312
GI	none	Score	.81
Exons	6824..7135, 7301..7312		

Seq. No.	33268	Seq. ID	OJ991018_12.0301.C2
Gene No.	68988	Strand	+
Start	866	End	5028
Name	OJ991018_12.0301.C2.o1.np	Method	AAT/NAP
Start	866	End	5028
GI	4234852	Score	4356
Exons	866..998, 1049..5028		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	33268	Seq. ID	OJ991018_12.0301.C2
Gene No.	68989	Strand	+
Start	11474	End	13535
Name	OJ991018_12.0301.C2.o5.np	Method	AAT/NAP
Start	11474	End	13535
GI	6721561	Score	115
Exons	11474..11582, 13502..13535		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33268	Seq. ID	OJ991018_12.0301.C2
Gene No.	68990	Strand	-
Start	5594	End	6804
Name	OJ991018_12.0301.C2.o2.np	Method	AAT/NAP
Start	5594	End	6804
GI	4826399	Score	498
Exons	5594..5761, 5837..6804		
GI Descrip.	(AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]		

Seq. No.	33268	Seq. ID	OJ991018_12.0301.C2
Gene No.	68990	Strand	-
Start	5594	End	6804
Name	OJ991018_12.0301.C2.o2.gs	Method	GENSCAN
Start	5660	End	6697
GI	none	Score	.6
Exons	5660..6697		

Seq. No.	33268	Seq. ID	OJ991018_12.0301.C2
Gene No.	68991	Strand	-
Start	9378	End	15795
Name	OJ991018_12.0301.C2.o2.tm	Method	TBLASTX:Maize
Start	959	End	1968
GI	none	Score	187
Exons	959..1210, 1161..1535, 1165..1566, 1282..1536, 1576..1707, 1647..1688, 1812..1862, 1903..1968		

Seq. No.	33268	Seq. ID	OJ991018_12.0301.C2
Gene No.	68991	Strand	-
Start	9378	End	15795
Name	OJ991018_12.0301.C2.o3.ts	Method	TBLASTX:Soybean
Start	2182	End	2630
GI	none	Score	49
Exons	2182..2247, 2284..2385, 2362..2385, 2372..2536, 2389..2628, 2434..2613, 2541..2630		

Seq. No.	33268	Seq. ID	OJ991018_12.0301.C2
Gene No.	68991	Strand	-
Start	9378	End	15795
Name	OJ991018_12.0301.C2.o2.tw	Method	TBLASTX:Wheat
Start	2338	End	3000
GI	none	Score	247
Exons	2338..2577, 2523..2576, 2617..2922, 2640..2891, 2901..2975, 2902..3000		

Seq. No.	33268	Seq. ID	OJ991018_12.0301.C2
Gene No.	68991	Strand	-
Start	9378	End	15795
Name	OJ991018_12.0301.C2.o3.tc	Method	TBLASTX:Cress
Start	2617	End	2997
GI	none	Score	123
Exons	2617..2817, 2830..2997		

Seq. No.	33268	Seq. ID	OJ991018 12.0301.C2
Gene No.	68991	Strand	-
Start	9378	End	15795
Name	OJ991018_12.0301.C2.o5.tm	Method	TBLASTX:Maize

Start	2617	End	2994
GI	none	Score	175
Exons	2617..2826, 2833..2892, 2923..2994		

Seq. No.	33268	Seq. ID	OJ991018_12.0301.C2
Gene No.	68991	Strand	-
Start	9378	End	15795
Name	OJ991018_12.0301.C2.o5.ts	Method	TBLASTX:Soybean
Start	2631	End	3003
GI	none	Score	170
Exons	2631..2798, 2635..2826, 2830..3003		

Seq. No.	33268	Seq. ID	OJ991018_12.0301.C2
Gene No.	68991	Strand	-
Start	9378	End	15795
Name	OJ991018_12.0301.C2.o2.ts	Method	TBLASTX:Soybean
Start	3514	End	3951
GI	5509260	Score	362
Exons	3514..3951, 3521..3547, 3603..3875, 3918..3950		
GI Descrip.	-		

Seq. No.	33268	Seq. ID	OJ991018_12.0301.C2
Gene No.	68991	Strand	-
Start	9378	End	15795
Name	OJ991018_12.0301.C2.o2.tc	Method	TBLASTX:Cress
Start	3601	End	3861
GI	none	Score	251
Exons	3601..3861, 3603..3839		

Seq. No.	33268	Seq. ID	OJ991018_12.0301.C2
Gene No.	68991	Strand	-
Start	9378	End	15795
Name	OJ991018_12.0301.C2.o1.tw	Method	TBLASTX:Wheat
Start	3642	End	4422
GI	none	Score	361
Exons	3642..3989, 3643..3987, 3643..3996, 3972..4418, 3973..4422		

Seq. No.	33268	Seq. ID	OJ991018_12.0301.C2
Gene No.	68991	Strand	-
Start	9378	End	15795
Name	OJ991018_12.0301.C2.o4.tm	Method	TBLASTX:Maize
Start	3643	End	4086
GI	none	Score	272
Exons	3643..3951, 3660..3950, 3985..4086		

Seq. No.	33268	Seq. ID	OJ991018_12.0301.C2
Gene No.	68991	Strand	-
Start	9378	End	15795
Name	OJ991018_12.0301.C2.o3.tm	Method	TBLASTX:Maize
Start	4087	End	4518
GI	none	Score	81
Exons	4087..4248, 4222..4518, 4362..4517		

Seq. No.	33268	Seq. ID	OJ991018_12.0301.C2
Gene No.	68991	Strand	-
Start	9378	End	15795
Name	OJ991018_12.0301.C2.o4.ts	Method	TBLASTX:Soybean

Start	4408	End	4974
GI	none	Score	132
Exons	4408..4590, 4603..4794, 4783..4974		

Seq. No.	33268	Seq. ID	OJ991018_12.0301.C2
Gene No.	68991	Strand	-
Start	9378	End	15795
Name	OJ991018_12.0301.C2.o6.tm	Method	TBLASTX:Maize
Start	4531	End	4989
GI	none	Score	56
Exons	4531..4590, 4573..4749, 4798..4989		

Seq. No.	33268	Seq. ID	OJ991018_12.0301.C2
Gene No.	68991	Strand	-
Start	9378	End	15795
Name	OJ991018_12.0301.C2.o3.tw	Method	TBLASTX:Wheat
Start	4578	End	4977
GI	none	Score	282
Exons	4578..4811, 4582..4977		

Seq. No.	33268	Seq. ID	OJ991018_12.0301.C2
Gene No.	68991	Strand	-
Start	9378	End	15795
Name	OJ991018_12.0301.C2.o1.tm	Method	TBLASTX:Maize
Start	5819	End	6766
GI	none	Score	50
Exons	5819..6034, 6035..6157, 6047..6157, 6182..6271, 6186..6272, 6281..6343, 6282..6347, 6360..6461, 6362..6568, 6578..6667, 6680..6766		

Seq. No.	33268	Seq. ID	OJ991018_12.0301.C2
Gene No.	68991	Strand	-
Start	9378	End	15795
Name	OJ991018_12.0301.C2.o1.ts	Method	TBLASTX:Soybean
Start	6023	End	6751
GI	none	Score	78
Exons	6023..6163, 6041..6157, 6180..6257, 6188..6271, 6281..6364, 6365..6511, 6405..6500, 6534..6569, 6578..6667, 6707..6751		

Seq. No.	33268	Seq. ID	OJ991018_12.0301.C2
Gene No.	68991	Strand	-
Start	9378	End	15795
Name	OJ991018_12.0301.C2.o4.tw	Method	TBLASTX:Wheat
Start	6024	End	6421
GI	none	Score	57
Exons	6024..6104, 6035..6157, 6182..6271, 6189..6272, 6275..6421		

Seq. No.	33268	Seq. ID	OJ991018_12.0301.C2
Gene No.	68991	Strand	-
Start	9378	End	15795
Name	OJ991018_12.0301.C2.o1.tc	Method	TBLASTX:Cress
Start	6026	End	15355
GI	none	Score	74
Exons	6026..6157, 6182..6271, 6281..6331, 6374..6568, 6405..6500, 6578..6682, 6683..6739, 14522..14590, 15296..15355		

Seq. No.	33268	Seq. ID	OJ991018_12.0301.C2

Gene No.	68991	Strand	-
Start	9378	End	15795
Name	OJ991018_12.0301.C2.o3.np	Method	AAT/NAP
Start	9346	End	12004
GI	6815109	Score	257
Exons	9346..10656, 11966..12004		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	33268	Seq. ID	OJ991018_12.0301.C2
Gene No.	68991	Strand	-
Start	9378	End	15795
Name	OJ991018_12.0301.C2.o3.gs	Method	GENSCAN
Start	9378	End	15795
GI	none	Score	.63
Exons	9378..9671, 9768..9914, 10008..10116, 10263..10656, 11522..11685, 14314..14404, 14521..15073, 15167..15378, 15558..15673, 15728..15795		

Seq. No.	33268	Seq. ID	OJ991018_12.0301.C2
Gene No.	68991	Strand	-
Start	9378	End	15795
Name	OJ991018_12.0301.C2.o4.np	Method	AAT/NAP
Start	11352	End	15402
GI	4680183	Score	133
Exons	11352..11441, 15253..15402		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	33268	Seq. ID	OJ991018_12.0301.C2
Gene No.	68991	Strand	-
Start	9378	End	15795
Name	OJ991018_12.0301.C2.o7.np	Method	AAT/NAP
Start	12244	End	15442
GI	4826399	Score	248
Exons	12244..12284, 14296..14404, 14521..15184, 15218..15442		
GI Descrip.	(AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]		

Seq. No.	33269	Seq. ID	OJ991018_12.0301.C5
Gene No.	68992	Strand	+
Start	11782	End	13206
Name	OJ991018_12.0301.C5.o2.np	Method	AAT/NAP
Start	11782	End	13206
GI	6730728	Score	755
Exons	11782..13206		
GI Descrip.	(AC018849) unknown protein [Arabidopsis thaliana]		

Seq. No.	33269	Seq. ID	OJ991018_12.0301.C5
Gene No.	68993	Strand	-
Start	1	End	3899
Name	OJ991018_12.0301.C5.o1.np	Method	AAT/NAP
Start	1	End	3899
GI	5803260	Score	702
Exons	1..1044, 1259..1363, 2969..3899		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	33269	Seq. ID	OJ991018_12.0301.C5
Gene No.	68994	Strand	-
Start	15771	End	20424

Name	OJ991018_12.0301.C5.o2.tw	Method	TBLASTX:Wheat
Start	255	End	652
GI	none	Score	103
Exons	255..395, 266..394, 413..487,	420..503,	605..652

Seq. No.	33269	Seq. ID	OJ991018_12.0301.C5
Gene No.	68994	Strand	-
Start	15771	End	20424
Name	OJ991018_12.0301.C5.o1.tc	Method	TBLASTX:Cress
Start	257	End	883
GI	none	Score	75
Exons	257..385, 270..389, 425..577,	426..521,	605..796, 773..883

Seq. No.	33269	Seq. ID	OJ991018_12.0301.C5
Gene No.	68994	Strand	-
Start	15771	End	20424
Name	OJ991018_12.0301.C5.o1.tm	Method	TBLASTX:Maize
Start	266	End	997
GI	none	Score	73
Exons	266..388, 273..386, 413..487,	417..503,	513..578, 530..574,
	593..799, 740..898, 911..997		

Seq. No.	33269	Seq. ID	OJ991018_12.0301.C5
Gene No.	68994	Strand	-
Start	15771	End	20424
Name	OJ991018_12.0301.C5.o1.ts	Method	TBLASTX:Soybean
Start	266	End	982
GI	none	Score	86
Exons	266..388, 267..386, 411..488,	419..487,	605..742, 636..740,
	800..910, 938..982		

Seq. No.	33269	Seq. ID	OJ991018_12.0301.C5
Gene No.	68994	Strand	-
Start	15771	End	20424
Name	OJ991018_12.0301.C5.o4.tw	Method	TBLASTX:Wheat
Start	11775	End	12005
GI	none	Score	136
Exons	11775..11936, 11779..11934,	11916..12005,	11917..12000

Seq. No.	33269	Seq. ID	OJ991018_12.0301.C5
Gene No.	68994	Strand	-
Start	15771	End	20424
Name	OJ991018_12.0301.C5.o2.ts	Method	TBLASTX:Soybean
Start	12016	End	13092
GI	none	Score	176
Exons	12016..12261, 12264..12329,	12265..12351,	12949..13092

Seq. No.	33269	Seq. ID	OJ991018_12.0301.C5
Gene No.	68994	Strand	-
Start	15771	End	20424
Name	OJ991018_12.0301.C5.o3.gs	Method	GENSCAN
Start	15771	End	20262
GI	none	Score	.48
Exons	15771..15941, 16009..16139,	16275..16530,	16617..16878,
	16982..17280, 17360..17773,	17853..18219,	18322..18466,
	18843..20262		

Seq. No.	33269	Seq. ID	OJ991018_12.0301.C5
Gene No.	68994	Strand	-
Start	15771	End	20424
Name	OJ991018_12.0301.C5.o3.np	Method	AAT/NAP
Start	15783	End	20424
GI	5441880	Score	2011
Exons	15783..15998, 16306..16550, 16617..16878, 16982..17280, 17853..18181, 18317..18464, 18967..19290, 19549..19580, 20025..20424		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	33269	Seq. ID	OJ991018_12.0301.C5
Gene No.	68994	Strand	-
Start	15771	End	20424
Name	OJ991018_12.0301.C5.o3.tw	Method	TBLASTX:Wheat
Start	17946	End	18128
GI	none	Score	98
Exons	17946..18065, 17947..18066, 18064..18111, 18075..18128		

Seq. No.	33269	Seq. ID	OJ991018_12.0301.C5
Gene No.	68994	Strand	-
Start	15771	End	20424
Name	OJ991018_12.0301.C5.o1.tw	Method	TBLASTX:Wheat
Start	19798	End	20173
GI	none	Score	114
Exons	19798..19971, 19807..19962, 19969..20172, 20021..20173		

Seq. No.	33269	Seq. ID	OJ991018_12.0301.C5
Gene No.	68994	Strand	-
Start	15771	End	20424
Name	OJ991018_12.0301.C5.o2.tm	Method	TBLASTX:Maize
Start	19873	End	20424
GI	none	Score	193
Exons	19873..19944, 19991..20311, 20002..20424		

Seq. No.	33270	Seq. ID	OJ991018_12.0301.C6
Gene No.	68995	Strand	+
Start	792	End	3127
Name	OJ991018_12.0301.C6.o1.gp	Method	AAT/GAP
Start	792	End	1802
GI	3107050	Score	514
Exons	792..927, 1623..1802		

Seq. No.	33270	Seq. ID	OJ991018_12.0301.C6
Gene No.	68995	Strand	+
Start	792	End	3127
Name	OJ991018_12.0301.C6.o1.gs	Method	GENSCAN
Start	1679	End	3127
GI	none	Score	.99
Exons	1679..3127		

Seq. No.	33270	Seq. ID	OJ991018_12.0301.C6
Gene No.	68995	Strand	+
Start	792	End	3127
Name	OJ991018_12.0301.C6.o1.np	Method	AAT/NAP

Start	1679	End	3097
GI	6730728	Score	738
Exons	1679..3097		
GI Descrip.	(AC018849) unknown protein [Arabidopsis thaliana]		

Seq. No.	33270	Seq. ID	OJ991018_12.0301.C6
Gene No.	68996	Strand	+
Start	4846	End	7432
Name	OJ991018_12.0301.C6.o2.gp	Method	AAT/GAP
Start	4846	End	6180
GI	40461_1.R1084	Score	1249
Exons	4846..5075, 5744..6180		
GI Descrip.	'5231209/gb|AF159061.1|AF159061 2.0e-68 Oryza sativa subsp. indica serine/threonine protein phosphatase PP2A-3 catalytic subunit (PP2A) gene, complete cds'		

Seq. No.	33270	Seq. ID	OJ991018_12.0301.C6
Gene No.	68996	Strand	+
Start	4846	End	7432
Name	OJ991018_12.0301.C6.o2.np	Method	AAT/NAP
Start	5800	End	7218
GI	6730728	Score	758
Exons	5800..7218		
GI Descrip.	(AC018849) unknown protein [Arabidopsis thaliana]		

Seq. No.	33270	Seq. ID	OJ991018_12.0301.C6
Gene No.	68996	Strand	+
Start	4846	End	7432
Name	OJ991018_12.0301.C6.o3.gp	Method	AAT/GAP
Start	6870	End	7432
GI	3760151	Score	1086
Exons	6870..7432		

Seq. No.	33270	Seq. ID	OJ991018_12.0301.C6
Gene No.	68997	Strand	+
Start	9192	End	9569
Name	OJ991018_12.0301.C6.o3.gs	Method	GENSCAN
Start	9192	End	9569
GI	none	Score	.85
Exons	9192..9569		

Seq. No.	33270	Seq. ID	OJ991018_12.0301.C6
Gene No.	68998	Strand	+
Start	15740	End	18135
Name	OJ991018_12.0301.C6.o3.np	Method	AAT/NAP
Start	15740	End	18132
GI	6730728	Score	506
Exons	15740..16643, 18082..18132		
GI Descrip.	(AC018849) unknown protein [Arabidopsis thaliana]		

Seq. No.	33270	Seq. ID	OJ991018_12.0301.C6
Gene No.	68998	Strand	+
Start	15740	End	18135
Name	OJ991018_12.0301.C6.o4.np	Method	AAT/NAP
Start	15740	End	18135
GI	6730728	Score	507
Exons	15740..16643, 18082..18135		

GI Descrip. (AC018849) unknown protein [Arabidopsis thaliana]

Seq. No.	33270	Seq. ID	OJ991018_12.0301.C6
Gene No.	68999	Strand	-
Start	10544	End	12940
Name	OJ991018_12.0301.C6.o4.gs	Method	GENSCAN
Start	10544	End	12940
GI	none	Score	.76
Exons	10544..10954, 10987..11191, 11870..12048, 12443..12580, 12821..12940		

Seq. No.	33270	Seq. ID	OJ991018_12.0301.C6
Gene No.	68999	Strand	-
Start	10544	End	12940
Name	OJ991018_12.0301.C6.o4.gp	Method	AAT/GAP
Start	12788	End	12927
GI	5455575	Score	234
Exons	12788..12927		

Seq. No.	33270	Seq. ID	OJ991018_12.0301.C6
Gene No.	69000	Strand	-
Start	19549	End	25757
Name	OJ991018_12.0301.C6.o2.tw	Method	TBLASTX:Wheat
Start	1676	End	15961
GI	none	Score	102
Exons	1676..1825, 1678..1806, 1733..1831, 1744..1833, 1830..1907, 5793..5954, 5797..5952, 5934..6023, 5935..6018, 15768..15884, 15779..15892, 15782..15865, 15798..15890, 15861..15959, 15884..15961, 15885..15959		

Seq. No.	33270	Seq. ID	OJ991018_12.0301.C6
Gene No.	69000	Strand	-
Start	19549	End	25757
Name	OJ991018_12.0301.C6.o2.ts	Method	TBLASTX:Soybean
Start	1891	End	16301
GI	none	Score	179
Exons	1891..2139, 1913..2161, 2152..2226, 2159..2248, 2909..3007, 6012..6260, 6034..6279, 6282..6350, 6283..6363, 6976..7101, 15950..16198, 15957..16217, 16220..16297, 16221..16301		

Seq. No.	33270	Seq. ID	OJ991018_12.0301.C6
Gene No.	69000	Strand	-
Start	19549	End	25757
Name	OJ991018_12.0301.C6.o6.gs	Method	GENSCAN
Start	19549	End	25693
GI	none	Score	.87
Exons	19549..20732, 20888..21052, 22443..22510, 22901..23028, 24307..24658, 24815..24843, 25586..25693		

Seq. No.	33270	Seq. ID	OJ991018_12.0301.C6
Gene No.	69000	Strand	-
Start	19549	End	25757
Name	OJ991018_12.0301.C6.o5.np	Method	AAT/NAP
Start	19555	End	20665
GI	4966347	Score	525
Exons	19555..20665		

GI Descrip. (AC006341) Similar to gb|AJ012423 wall-associated kinase 2 from

Arabidopsis thaliana.

Seq. No.	33270	Seq. ID	OJ991018_12.0301.C6
Gene No.	69000	Strand	-
Start	19549	End	25757
Name	OJ991018_12.0301.C6.o1.tc	Method	TBLASTX:Cress
Start	19714	End	25694
GI	none	Score	41
Exons	19714..19917, 19918..20067, 19949..19993, 20071..20160, 20075..20173, 20170..20220, 20275..20457, 20294..20395, 20398..20571, 20572..20628, 25602..25694, 25606..25674		

Seq. No.	33270	Seq. ID	OJ991018_12.0301.C6
Gene No.	69000	Strand	-
Start	19549	End	25757
Name	OJ991018_12.0301.C6.o1.tm	Method	TBLASTX:Maize
Start	19924	End	20655
GI	none	Score	49
Exons	19924..20055, 19931..20053, 20071..20160, 20075..20161, 20168..20236, 20170..20232, 20251..20457, 20291..20458, 20419..20556, 20444..20530, 20569..20655		

Seq. No.	33270	Seq. ID	OJ991018_12.0301.C6
Gene No.	69000	Strand	-
Start	19549	End	25757
Name	OJ991018_12.0301.C6.o1.ts	Method	TBLASTX:Soybean
Start	19924	End	20640
GI	none	Score	61
Exons	19924..20049, 19925..20044, 20069..20146, 20077..20160, 20170..20235, 20263..20400, 20294..20395, 20458..20556, 20596..20640		

Seq. No.	33270	Seq. ID	OJ991018_12.0301.C6
Gene No.	69000	Strand	-
Start	19549	End	25757
Name	OJ991018_12.0301.C6.o1.tw	Method	TBLASTX:Wheat
Start	19924	End	20310
GI	none	Score	67
Exons	19924..20055, 19931..20050, 20071..20160, 20078..20161, 20158..20220, 20263..20310		

Seq. No.	33270	Seq. ID	OJ991018_12.0301.C6
Gene No.	69000	Strand	-
Start	19549	End	25757
Name	OJ991018_12.0301.C6.o6.np	Method	AAT/NAP
Start	23324	End	25757
GI	5803260	Score	88
Exons	23324..23346, 25598..25757		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	33271	Seq. ID	OJ991018_12.0301.C7
Gene No.	69001	Strand	-
Start	1	End	2179
Name	OJ991018_12.0301.C7.o1.np	Method	AAT/NAP
Start	1	End	687
GI	4826399	Score	186
Exons	1..687		

GI Descrip. (AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]

Seq. No.	33271	Seq. ID	OJ991018_12.0301.C7
Gene No.	69001	Strand	-
Start	1	End	2179
Name	OJ991018_12.0301.C7.o1.gs	Method	GENSCAN
Start	11	End	2179
GI	none	Score	.58
Exons	11..703, 916..1077, 1547..1602, 2048..2179		

Seq. No.	33271	Seq. ID	OJ991018_12.0301.C7
Gene No.	69002	Strand	-
Start	8240	End	8899
Name	OJ991018_12.0301.C7.o3.gs	Method	GENSCAN
Start	8240	End	8899
GI	none	Score	.53
Exons	8240..8899		

Seq. No.	33272	Seq. ID	OJ991018_12.0301.C9
Gene No.	69003	Strand	-
Start	1	End	993
Name	OJ991018_12.0301.C9.o1.np	Method	AAT/NAP
Start	1	End	951
GI	423988	Score	420
Exons	1..716, 842..951		
GI Descrip.	serine/threonine kinase homolog PRO25 - Arabidopsis thaliana gi|166813 (L04999) serine threonine kinase [Arabidopsis thaliana]		

Seq. No.	33272	Seq. ID	OJ991018_12.0301.C9
Gene No.	69003	Strand	-
Start	1	End	993
Name	OJ991018_12.0301.C9.o1.gs	Method	GENSCAN
Start	15	End	993
GI	none	Score	.94
Exons	15..716, 853..993		

Seq. No.	33272	Seq. ID	OJ991018_12.0301.C9
Gene No.	69003	Strand	-
Start	1	End	993
Name	OJ991018_12.0301.C9.o1.tc	Method	TBLASTX:Cress
Start	23	End	946
GI	none	Score	60
Exons	23..151, 37..138, 148..429, 244..366, 251..421, 448..558, 866..946		

Seq. No.	33272	Seq. ID	OJ991018_12.0301.C9
Gene No.	69003	Strand	-
Start	1	End	993
Name	OJ991018_12.0301.C9.o1.tm	Method	TBLASTX:Maize
Start	37	End	639
GI	none	Score	50
Exons	37..138, 53..139, 143..433, 148..429, 436..543, 437..529, 547..639		

Seq. No.	33272	Seq. ID	OJ991018_12.0301.C9
Gene No.	69003	Strand	-

Start	1	End	993
Name	OJ991018_12.0301.C9.o1.ts	Method	TBLASTX:Soybean
Start	38	End	543
GI	none	Score	56
Exons	38..124, 49..138, 143..229, 148..375, 436..543		

Seq. No.	33272	Seq. ID	OJ991018_12.0301.C9
Gene No.	69003	Strand	-
Start	1	End	993
Name	OJ991018_12.0301.C9.o1.tw	Method	TBLASTX:Wheat
Start	157	End	532
GI	none	Score	119
Exons	157..420, 251..421, 436..525, 437..532		

Seq. No.	33273	Seq. ID	OJ991018_12.0301.C10
Gene No.	69004	Strand	+
Start	9595	End	11790
Name	OJ991018_12.0301.C10.o4.gs	Method	GENSCAN
Start	9595	End	11790
GI	none	Score	.42
Exons	9595..9734, 10506..10615, 11657..11790		

Seq. No.	33273	Seq. ID	OJ991018_12.0301.C10
Gene No.	69005	Strand	-
Start	2241	End	2761
Name	OJ991018_12.0301.C10.o2.gs	Method	GENSCAN
Start	2241	End	2761
GI	none	Score	.91
Exons	2241..2403, 2655..2761		

Seq. No.	33273	Seq. ID	OJ991018_12.0301.C10
Gene No.	69006	Strand	-
Start	7381	End	8505
Name	OJ991018_12.0301.C10.o1.tc	Method	TBLASTX:Cress
Start	33	End	8431
GI	none	Score	76
Exons	33..80, 126..194, 204..287, 603..674, 7766..7906, 7788..7889, 7901..8002, 7920..7958, 8000..8293, 8001..8084, 8142..8222, 8315..8431, 8322..8387		

Seq. No.	33273	Seq. ID	OJ991018_12.0301.C10
Gene No.	69006	Strand	-
Start	7381	End	8505
Name	OJ991018_12.0301.C10.o1.np	Method	AAT/NAP
Start	7381	End	8505
GI	4966347	Score	554
Exons	7381..8505		
GI Descrip.	(AC006341) Similar to gb|AJ012423 wall-associated kinase 2 from Arabidopsis thaliana.		

Seq. No.	33273	Seq. ID	OJ991018_12.0301.C10
Gene No.	69006	Strand	-
Start	7381	End	8505
Name	OJ991018_12.0301.C10.o1.tm	Method	TBLASTX:Maize
Start	7571	End	8413
GI	none	Score	108
Exons	7571..7759, 7754..7891, 7770..7889, 7778..7891, 7901..8002,		

7920..7991, 7959..8204, 8000..8293, 8117..8317, 8319..8387, 8321..8413

Seq. No.	33273	Seq. ID	OJ991018_12.0301.C10
Gene No.	69006	Strand	-
Start	7381	End	8505
Name	OJ991018_12.0301.C10.o1.ts	Method	TBLASTX:Soybean
Start	7754	End	8413
GI	none	Score	78
Exons	7754..7888, 7763..7888, 7764..7889, 7902..7991, 7916..8002, 8003..8248, 8004..8102, 8142..8222, 8315..8413, 8322..8354		

Seq. No.	33273	Seq. ID	OJ991018_12.0301.C10
Gene No.	69006	Strand	-
Start	7381	End	8505
Name	OJ991018_12.0301.C10.o2.tw	Method	TBLASTX:Wheat
Start	7754	End	8008
GI	none	Score	106
Exons	7754..7891, 7782..7892, 7916..8008		

Seq. No.	33273	Seq. ID	OJ991018_12.0301.C10
Gene No.	69006	Strand	-
Start	7381	End	8505
Name	OJ991018_12.0301.C10.o1.tw	Method	TBLASTX:Wheat
Start	8030	End	8398
GI	none	Score	75
Exons	8030..8293, 8102..8287, 8142..8294, 8312..8398, 8322..8387		

Seq. No.	33274	Seq. ID	OJ991018_12.0301.C11
Gene No.	69007	Strand	+
Start	523	End	4076
Name	OJ991018_12.0301.C11.o1.gs	Method	GENSCAN
Start	523	End	1375
GI	none	Score	.62
Exons	523..803, 852..971, 1081..1375		

Seq. No.	33274	Seq. ID	OJ991018_12.0301.C11
Gene No.	69007	Strand	+
Start	523	End	4076
Name	OJ991018_12.0301.C11.o1.np	Method	AAT/NAP
Start	734	End	4076
GI	4680341	Score	592
Exons	734..827, 853..936, 995..1351, 1663..1717, 4037..4076		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	33274	Seq. ID	OJ991018_12.0301.C11
Gene No.	69007	Strand	+
Start	523	End	4076
Name	OJ991018_12.0301.C11.o2.np	Method	AAT/NAP
Start	1154	End	2869
GI	5295967	Score	50
Exons	1154..1184, 2495..2577, 2748..2869		
GI Descrip.	(AB026295) Similar to Lycopersicon esculentum pT53 mRNA for wound-repressed gene, partial cds.(X59883) [Oryza sativa]		

Seq. No.	33274	Seq. ID	OJ991018_12.0301.C11
Gene No.	69008	Strand	+

Start	19699	End	20128
Name	OJ991018_12.0301.C11.o5.np	Method	AAT/NAP
Start	19699	End	20128
GI	6730728	Score	300
Exons	19699..20128		
GI Descrip.	(AC018849) unknown protein [Arabidopsis thaliana]		

Seq. No.	33274	Seq. ID	OJ991018_12.0301.C11
Gene No.	69009	Strand	-
Start	2610	End	6653
Name	OJ991018_12.0301.C11.o2.gs	Method	GENSCAN
Start	2610	End	6653
GI	none	Score	.45
Exons	2610..2742, 2774..2951, 3019..3055, 3972..4122, 4526..4647, 5034..5317, 5795..6653		

Seq. No.	33274	Seq. ID	OJ991018_12.0301.C11
Gene No.	69009	Strand	-
Start	2610	End	6653
Name	OJ991018_12.0301.C11.o3.np	Method	AAT/NAP
Start	3186	End	6508
GI	6721512	Score	53
Exons	3186..3223, 4673..4777, 4806..4892, 6434..6508		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	33274	Seq. ID	OJ991018_12.0301.C11
Gene No.	69010	Strand	-
Start	9060	End	14458
Name	OJ991018_12.0301.C11.o3.tw	Method	TBLASTX:Wheat
Start	165	End	1672
GI	none	Score	57
Exons	165..224, 1209..1241, 1240..1338, 1241..1339, 1241..1339, 1287..1340, 1353..1379, 1354..1380, 1356..1376, 1422..1487, 1425..1487, 1426..1488, 1581..1643, 1594..1653, 1637..1672		

Seq. No.	33274	Seq. ID	OJ991018_12.0301.C11
Gene No.	69010	Strand	-
Start	9060	End	14458
Name	OJ991018_12.0301.C11.o4.np	Method	AAT/NAP
Start	9060	End	14458
GI	4755191	Score	1098
Exons	9060..9078, 11334..14247, 14365..14458		
GI Descrip.	(AC007018) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	33274	Seq. ID	OJ991018_12.0301.C11
Gene No.	69010	Strand	-
Start	9060	End	14458
Name	OJ991018_12.0301.C11.o1.tc	Method	TBLASTX:Cress
Start	9579	End	10016
GI	none	Score	49
Exons	9579..9710, 9722..9841, 9827..9862, 9864..9908, 9913..9963, 9972..10016		

Seq. No.	33274	Seq. ID	OJ991018_12.0301.C11
Gene No.	69010	Strand	-
Start	9060	End	14458

Name	OJ991018_12.0301.C11.o1.ts	Method	TBLASTX:Soybean
Start	9579	End	10106
GI	none	Score	66
Exons	9579..9734, 9616..9690, 9719..9841, 9864..9908, 9911..9961, 9913..9963, 9961..10017, 9972..10016, 10025..10054, 10068..10106		

Seq. No.	33274	Seq. ID	OJ991018_12.0301.C11
Gene No.	69010	Strand	-
Start	9060	End	14458
Name	OJ991018_12.0301.C11.o1.tm	Method	TBLASTX:Maize
Start	9579	End	10106
GI	none	Score	90
Exons	9579..9674, 9579..9710, 9616..9684, 9617..9712, 9661..9840, 9719..9841, 9809..9862, 9820..9861, 9862..9903, 9864..9899, 9864..9908, 9911..9961, 9913..9963, 9961..10017, 9961..10005, 9972..10016, 10025..10054, 10025..10054, 10050..10106, 10068..10106		

Seq. No.	33274	Seq. ID	OJ991018_12.0301.C11
Gene No.	69010	Strand	-
Start	9060	End	14458
Name	OJ991018_12.0301.C11.o1.gp	Method	AAT/GAP
Start	10465	End	10895
GI	33357_1.R1084	Score	830
Exons	10465..10895		
GI Descrip.	'4262154/gb|AAD14454| 5.0e-42 (AC005275) putative protein phosphatase regulatory subunit [Arabidopsis thaliana]'		

Seq. No.	33274	Seq. ID	OJ991018_12.0301.C11
Gene No.	69010	Strand	-
Start	9060	End	14458
Name	OJ991018_12.0301.C11.o2.tw	Method	TBLASTX:Wheat
Start	11906	End	12322
GI	none	Score	69
Exons	11906..12166, 11940..12047, 12212..12322		

Seq. No.	33274	Seq. ID	OJ991018_12.0301.C11
Gene No.	69010	Strand	-
Start	9060	End	14458
Name	OJ991018_12.0301.C11.o3.tm	Method	TBLASTX:Maize
Start	11978	End	12352
GI	none	Score	97
Exons	11978..12181, 12191..12352		

Seq. No.	33274	Seq. ID	OJ991018_12.0301.C11
Gene No.	69010	Strand	-
Start	9060	End	14458
Name	OJ991018_12.0301.C11.o1.tw	Method	TBLASTX:Wheat
Start	12668	End	12958
GI	none	Score	229
Exons	12668..12958		

Seq. No.	33274	Seq. ID	OJ991018_12.0301.C11
Gene No.	69010	Strand	-
Start	9060	End	14458
Name	OJ991018_12.0301.C11.o2.tm	Method	TBLASTX:Maize
Start	12833	End	13384

GI	none	Score	70
Exons	12833..13222, 13229..13384		

Seq. No.	33274	Seq. ID	OJ991018_12.0301.C11
Gene No.	69010	Strand	-
Start	9060	End	14458
Name	OJ991018_12.0301.C11.o4.tw	Method	TBLASTX:Wheat
Start	12998	End	13279
GI	none	Score	186
Exons	12998..13279		

Seq. No.	33275	Seq. ID	OJ991018_12.0301.C12
Gene No.	69011	Strand	+
Start	1	End	880
Name	OJ991018_12.0301.C12.o1.np	Method	AAT/NAP
Start	1	End	838
GI	6730728	Score	311
Exons	1..838		
GI Descrip.	(AC018849) unknown protein [Arabidopsis thaliana]		

Seq. No.	33275	Seq. ID	OJ991018_12.0301.C12
Gene No.	69011	Strand	+
Start	1	End	880
Name	OJ991018_12.0301.C12.o1.gs	Method	GENSCAN
Start	491	End	880
GI	none	Score	.75
Exons	491..880		

Seq. No.	33275	Seq. ID	OJ991018_12.0301.C12
Gene No.	69012	Strand	-
Start	1455	End	9020
Name	OJ991018_12.0301.C12.o2.gs	Method	GENSCAN
Start	1455	End	4339
GI	none	Score	.59
Exons	1455..2638, 2821..2961, 3433..3669, 3757..3962, 4239..4339		

Seq. No.	33275	Seq. ID	OJ991018_12.0301.C12
Gene No.	69012	Strand	-
Start	1455	End	9020
Name	OJ991018_12.0301.C12.o2.np	Method	AAT/NAP
Start	1458	End	8606
GI	423988	Score	756
Exons	1458..2638, 2813..2919, 7778..7843, 8162..8606		
GI Descrip.	serine/threonine kinase homolog PRO25 - Arabidopsis thaliana gi|166813 (L04999) serine threonine kinase [Arabidopsis thaliana]		

Seq. No.	33275	Seq. ID	OJ991018_12.0301.C12
Gene No.	69012	Strand	-
Start	1455	End	9020
Name	OJ991018_12.0301.C12.o3.gs	Method	GENSCAN
Start	8082	End	9020
GI	none	Score	.78
Exons	8082..9020		

Seq. No.	33275	Seq. ID	OJ991018_12.0301.C12
Gene No.	69013	Strand	-

Start	10155	End	11823
Name	OJ991018_12.0301.C12.o1.tm	Method	TBLASTX:Maize
Start	1617	End	2561
GI	none	Score	88
Exons	1617..1817, 1818..1946, 1825..1944, 1959..2060, 1985..2044, 2065..2133, 2070..2351, 2142..2264, 2358..2465, 2359..2451, 2469..2561		

Seq. No.	33275	Seq. ID	OJ991018_12.0301.C12
Gene No.	69013	Strand	-
Start	10155	End	11823
Name	OJ991018_12.0301.C12.o2.tw	Method	TBLASTX:Wheat
Start	1809	End	2066
GI	none	Score	117
Exons	1809..1946, 1837..1947, 1971..2066		

Seq. No.	33275	Seq. ID	OJ991018_12.0301.C12
Gene No.	69013	Strand	-
Start	10155	End	11823
Name	OJ991018_12.0301.C12.o1.ts	Method	TBLASTX:Soybean
Start	1818	End	2465
GI	none	Score	91
Exons	1818..1943, 1819..1944, 1960..2046, 1971..2060, 2065..2151, 2070..2297, 2358..2465		

Seq. No.	33275	Seq. ID	OJ991018_12.0301.C12
Gene No.	69013	Strand	-
Start	10155	End	11823
Name	OJ991018_12.0301.C12.o1.tc	Method	TBLASTX:Cress
Start	1821	End	8957
GI	none	Score	87
Exons	1821..1952, 1843..1971, 1945..2073, 1959..2060, 2070..2351, 2224..2343, 2370..2480, 2371..2436, 8151..8246, 8286..8330, 8382..8450, 8481..8543, 8874..8957		

Seq. No.	33275	Seq. ID	OJ991018_12.0301.C12
Gene No.	69013	Strand	-
Start	10155	End	11823
Name	OJ991018_12.0301.C12.o1.tw	Method	TBLASTX:Wheat
Start	2079	End	2454
GI	none	Score	77
Exons	2079..2342, 2224..2343, 2358..2447, 2359..2454		

Seq. No.	33275	Seq. ID	OJ991018_12.0301.C12
Gene No.	69013	Strand	-
Start	10155	End	11823
Name	OJ991018_12.0301.C12.o3.np	Method	AAT/NAP
Start	10155	End	11823
GI	6539588	Score	97
Exons	10155..10173, 11608..11823		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	33276	Seq. ID	OJ991018_12.0301.C13
Gene No.	69014	Strand	-
Start	756	End	1396
Name	OJ991018_12.0301.C13.o1.np	Method	AAT/NAP
Start	698	End	1396

GI	4416302	Score	715
Exons	698..1396		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	33276	Seq. ID	OJ991018_12.0301.C13
Gene No.	69014	Strand	-
Start	756	End	1396
Name	OJ991018_12.0301.C13.o1.gs	Method	GENSCAN
Start	756	End	1358
GI	none	Score	.5
Exons	756..1358		

Seq. No.	33276	Seq. ID	OJ991018_12.0301.C13
Gene No.	69014	Strand	-
Start	756	End	1396
Name	OJ991018_12.0301.C13.o1.tw	Method	TBLASTX:Wheat
Start	765	End	1220
GI	none	Score	62
Exons	765..956, 768..941, 960..1220		

Seq. No.	33276	Seq. ID	OJ991018_12.0301.C13
Gene No.	69014	Strand	-
Start	756	End	1396
Name	OJ991018_12.0301.C13.o1.tm	Method	TBLASTX:Maize
Start	766	End	1376
GI	none	Score	384
Exons	766..1368, 768..1376		

Seq. No.	33276	Seq. ID	OJ991018_12.0301.C13
Gene No.	69014	Strand	-
Start	756	End	1396
Name	OJ991018_12.0301.C13.o1.ts	Method	TBLASTX:Soybean
Start	766	End	1358
GI	none	Score	55
Exons	766..936, 771..950, 969..1358, 1012..1254		

Seq. No.	33276	Seq. ID	OJ991018_12.0301.C13
Gene No.	69014	Strand	-
Start	756	End	1396
Name	OJ991018_12.0301.C13.o1.tc	Method	TBLASTX:Cress
Start	771	End	1085
GI	none	Score	70
Exons	771..974, 817..933, 954..1085		

Seq. No.	33277	Seq. ID	OJ991208_19.0302.C1
Gene No.	69015	Strand	+
Start	1	End	407
Name	OJ991208_19.0302.C1.o1.np	Method	AAT/NAP
Start	1	End	407
GI	6539580	Score	246
Exons	1..48, 151..199, 325..407		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	33278	Seq. ID	OJ991208 19.0302.C2
Gene No.	69016	Strand	
Start	228	End	366
Name	OJ991208_19.0302.C2.o1.ts	Method	TBLASTX:Soybean

Start	228	End	366
GI	none	Score	115
Exons	228..362, 229..366		

Seq. No.	33279	Seq. ID	OJ991208_19.0302.C3
Gene No.	69017	Strand	-
Start	1	End	2255
Name	OJ991208_19.0302.C3.o1.np	Method	AAT/NAP
Start	1	End	2255
GI	6899899	Score	1170
Exons	1..21, 871..1063, 1151..1756, 1861..2255		
GI Descrip.	(AL138642) putative protein [Arabidopsis thaliana]		

Seq. No.	33279	Seq. ID	OJ991208_19.0302.C3
Gene No.	69017	Strand	-
Start	1	End	2255
Name	OJ991208_19.0302.C3.o1.ts	Method	TBLASTX:Soybean
Start	867	End	1384
GI	none	Score	163
Exons	867..1064, 887..1063, 1154..1384, 1155..1355, 1156..1362		

Seq. No.	33279	Seq. ID	OJ991208_19.0302.C3
Gene No.	69017	Strand	-
Start	1	End	2255
Name	OJ991208_19.0302.C3.o2.tm	Method	TBLASTX:Maize
Start	885	End	1012
GI	none	Score	178
Exons	885..1010, 887..1012, 887..1009		

Seq. No.	33279	Seq. ID	OJ991208_19.0302.C3
Gene No.	69017	Strand	-
Start	1	End	2255
Name	OJ991208_19.0302.C3.o1.gp	Method	AAT/GAP
Start	888	End	1248
GI	427903	Score	500
Exons	888..1063, 1151..1248		

Seq. No.	33279	Seq. ID	OJ991208_19.0302.C3
Gene No.	69017	Strand	-
Start	1	End	2255
Name	OJ991208_19.0302.C3.o1.gs	Method	GENSCAN
Start	1323	End	2200
GI	none	Score	75
Exons	1323..1756, 1861..2013, 2048..2200		

Seq. No.	33279	Seq. ID	OJ991208_19.0302.C3
Gene No.	69017	Strand	-
Start	1	End	2255
Name	OJ991208_19.0302.C3.o3.ts	Method	TBLASTX:Soybean
Start	1385	End	1526
GI	none	Score	80
Exons	1385..1522, 1385..1525, 1389..1526		

Seq. No.	33279	Seq. ID	OJ991208 19.0302.C3
Gene No.	69017	Strand	-
Start	1	End	2255
Name	OJ991208_19.0302.C3.o1.tm	Method	TBLASTX:Maize

Start	1410	End	1558
GI	none	Score	175
Exons	1410..1541, 1411..1542, 1411..1536, 1418..1549, 1418..1558		

Seq. No.	33279	Seq. ID	OJ991208_19.0302.C3
Gene No.	69017	Strand	-
Start	1	End	2255
Name	OJ991208_19.0302.C3.o2.ts	Method	TBLASTX:Soybean
Start	1918	End	2222
GI	none	Score	135
Exons	1918..2025, 1919..2026, 2030..2200, 2046..2186, 2048..2200, 2184..2222		

Seq. No.	33280	Seq. ID	OJ991208_19.0302.C4
Gene No.	69018	Strand	+
Start	1	End	2714
Name	OJ991208_19.0302.C4.o1.np	Method	AAT/NAP
Start	1	End	2714
GI	4325324	Score	1103
Exons	1..548, 1139..1264, 1349..1631, 1879..1975, 2080..2236, 2573..2714		
GI Descrip.	(AF125574) lysyl-tRNA synthetase; LysRS [Arabidopsis thaliana] gi|6041823|gb|AAF02138.1|AC009918_10 (AC009918) lysyl-tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	33280	Seq. ID	OJ991208_19.0302.C4
Gene No.	69018	Strand	+
Start	1	End	2714
Name	OJ991208_19.0302.C4.o1.tm	Method	TBLASTX:Maize
Start	455	End	2713
GI	none	Score	133
Exons	455..550, 465..548, 1121..1267, 1124..1267, 1324..1452, 1340..1624, 1341..1625, 1342..1629, 1349..1633, 1513..1632, 1871..1975, 1871..1981, 1872..1976, 2074..2232, 2078..2242, 2078..2242, 2550..2663, 2554..2709, 2561..2713, 2572..2712		

Seq. No.	33280	Seq. ID	OJ991208_19.0302.C4
Gene No.	69018	Strand	+
Start	1	End	2714
Name	OJ991208_19.0302.C4.o1.gs	Method	GENSCAN
Start	468	End	2281
GI	none	Score	.75
Exons	468..548, 1139..1264, 1349..1631, 1879..1975, 2080..2281		

Seq. No.	33280	Seq. ID	OJ991208_19.0302.C4
Gene No.	69018	Strand	+
Start	1	End	2714
Name	OJ991208_19.0302.C4.o1.tc	Method	TBLASTX:Cress
Start	489	End	2714
GI	none	Score	65
Exons	489..548, 1115..1267, 1124..1222, 1177..1266, 1324..1452, 1340..1624, 1347..1625, 1349..1633, 1513..1632, 1871..1981, 1872..1976, 2074..2136, 2078..2242, 2137..2241, 2158..2244, 2560..2712, 2561..2713, 2589..2714		

Seq. No.	33280	Seq. ID	OJ991208_19.0302.C4
Gene No.	69018	Strand	+

Start	1	End	2714
Name	OJ991208_19.0302.C4.o1.gp	Method	AAT/GAP
Start	1164	End	2138
GI	LIB3477-004-P1-K1-F7	Score	1008
Exons	1164..1264, 1349..1631, 1879..1975, 2080..2138		
GI Descrip.	'4325324/gb|AAD17333| 9.0e-85 (AF125574) lysyl-tRNA synthetase; LysRS [Arabidopsis thaliana] >gi_6041823_gb_AAF02138.1_AC009918_10 (AC009918) lysyl-tRNA synthetase [Arabidopsis thaliana]'		

Seq. No.	33280	Seq. ID	OJ991208_19.0302.C4
Gene No.	69018	Strand	+
Start	1	End	2714
Name	OJ991208_19.0302.C4.o1.ts	Method	TBLASTX:Soybean
Start	1208	End	2713
GI	none	Score	82
Exons	1208..1267, 1324..1632, 1347..1604, 1348..1632, 1349..1633, 1871..1903, 1872..1904, 1889..2008, 1899..1976, 2078..2242, 2137..2241, 2561..2713, 2572..2712		

Seq. No.	33280	Seq. ID	OJ991208_19.0302.C4
Gene No.	69018	Strand	+
Start	1	End	2714
Name	OJ991208_19.0302.C4.o1.tw	Method	TBLASTX:Wheat
Start	1397	End	1981
GI	none	Score	371
Exons	1397..1633, 1400..1633, 1872..1976, 1872..1967, 1877..1981		

Seq. No.	33280	Seq. ID	OJ991208_19.0302.C4
Gene No.	69018	Strand	+
Start	1	End	2714
Name	OJ991208_19.0302.C4.o2.gp	Method	AAT/GAP
Start	2602	End	2714
GI	62345_1.R1084	Score	226
Exons	2602..2714		
GI Descrip.	'4325324/gb|AAD17333| 4.0e-59 (AF125574) lysyl-tRNA synthetase; LysRS [Arabidopsis thaliana] >gi_6041823_gb_AAF02138.1_AC009918_10 (AC009918) lysyl-tRNA synthetase [Arabidopsis thaliana]'		

Seq. No.	33281	Seq. ID	OJ991208_19.0302.C7
Gene No.	69019	Strand	-
Start	1	End	2133
Name	OJ991208_19.0302.C7.o1.np	Method	AAT/NAP
Start	1	End	2133
GI	6815097	Score	1731
Exons	1..1444, 1559..2133		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	33281	Seq. ID	OJ991208_19.0302.C7
Gene No.	69019	Strand	-
Start	1	End	2133
Name	OJ991208_19.0302.C7.o1.ts	Method	TBLASTX:Soybean
Start	3	End	419
GI	5509260	Score	89
Exons	3..53, 84..419, 213..416		

GI Descrip. -

Seq. No.	33281	Seq. ID	OJ991208_19.0302.C7
Gene No.	69019	Strand	-
Start	1	End	2133
Name	OJ991208_19.0302.C7.o1.gs	Method	GENSCAN
Start	81	End	392
GI	none	Score	.97
Exons	81..392		

Seq. No.	33281	Seq. ID	OJ991208_19.0302.C7
Gene No.	69019	Strand	-
Start	1	End	2133
Name	OJ991208_19.0302.C7.o2.gs	Method	GENSCAN
Start	877	End	2082
GI	none	Score	.89
Exons	877..1080, 1699..2082		

Seq. No.	33282	Seq. ID	OJ991208_19.0302.C8
Gene No.	69020	Strand	+
Start	143	End	7226
Name	OJ991208_19.0302.C8.o1.gs	Method	GENSCAN
Start	143	End	7226
GI	none	Score	.72
Exons	143..222, 1510..1560, 1749..1871, 2003..2154, 2197..2310, 2345..2681, 2687..2792, 3732..3838, 4947..5028, 6927..7226		

Seq. No.	33282	Seq. ID	OJ991208_19.0302.C8
Gene No.	69020	Strand	+
Start	143	End	7226
Name	OJ991208_19.0302.C8.o2.np	Method	AAT/NAP
Start	1736	End	3324
GI	6907087	Score	619
Exons	1736..2681, 3223..3324		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33282	Seq. ID	OJ991208_19.0302.C8
Gene No.	69021	Strand	-
Start	1	End	911
Name	OJ991208_19.0302.C8.o1.np	Method	AAT/NAP
Start	1	End	911
GI	6815097	Score	347
Exons	1..911		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	33282	Seq. ID	OJ991208_19.0302.C8
Gene No.	69022	Strand	-
Start	3720	End	5668
Name	OJ991208_19.0302.C8.o3.np	Method	AAT/NAP
Start	3720	End	5668
GI	4680186	Score	199
Exons	3720..3921, 5628..5668		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	33283	Seq. ID	OJ991208_19.0302.C9
Gene No.	69023	Strand	+
Start	4411	End	4528
Name	OJ991208_19.0302.C9.o1.gs	Method	GENSCAN
Start	4411	End	4528
GI	none	Score	.99
Exons	4411..4528		

Seq. No.	33284	Seq. ID	OJ991208_19.0302.C10
Gene No.	69024	Strand	+
Start	1075	End	5475
Name	OJ991208_19.0302.C10.o1.gs	Method	GENSCAN
Start	1075	End	5475
GI	none	Score	.77
Exons	1075..1117, 1686..1769, 2342..2425, 2514..2573, 2650..2697, 4796..5054, 5121..5475		

Seq. No.	33284	Seq. ID	OJ991208_19.0302.C10
Gene No.	69024	Strand	+
Start	1075	End	5475
Name	OJ991208_19.0302.C10.o1.gp	Method	AAT/GAP
Start	2912	End	3163
GI	61605_3.R1084	Score	397
Exons	2912..3163		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	33284	Seq. ID	OJ991208_19.0302.C10
Gene No.	69025	Strand	+
Start	6426	End	9782
Name	OJ991208_19.0302.C10.o2.gs	Method	GENSCAN
Start	6426	End	9732
GI	none	Score	.65
Exons	6426..6441, 6498..6596, 6695..6757, 6916..6989, 7092..7166, 7276..7419, 7534..7638, 7744..8181, 8410..8575, 9127..9732		

Seq. No.	33284	Seq. ID	OJ991208_19.0302.C10
Gene No.	69025	Strand	+
Start	6426	End	9782
Name	OJ991208_19.0302.C10.o2.np	Method	AAT/NAP
Start	7387	End	9782
GI	6539581	Score	3402
Exons	7387..7419, 7534..7638, 7744..8181, 8287..9782		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	33284	Seq. ID	OJ991208_19.0302.C10
Gene No.	69026	Strand	-
Start	1	End	9008
Name	OJ991208_19.0302.C10.o1.np	Method	AAT/NAP
Start	1	End	9008
GI	5852175	Score	85
Exons	1..39, 3589..3784, 4361..4417, 5491..5599, 8971..9008		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	33284	Seq. ID	OJ991208_19.0302.C10
Gene No.	69026	Strand	-

Start	1	End	9008
Name	OJ991208_19.0302.C10.o2.tm	Method	TBLASTX:Maize
Start	8274	End	8502
GI	none	Score	213
Exons	8274..8399, 8281..8502, 8317..8499		

Seq. No.	33284	Seq. ID	OJ991208_19.0302.C10
Gene No.	69026	Strand	-
Start	1	End	9008
Name	OJ991208_19.0302.C10.o1.tw	Method	TBLASTX:Wheat
Start	8278	End	8670
GI	none	Score	54
Exons	8278..8376, 8380..8670		

Seq. No.	33284	Seq. ID	OJ991208_19.0302.C10
Gene No.	69026	Strand	-
Start	1	End	9008
Name	OJ991208_19.0302.C10.o1.tc	Method	TBLASTX:Cress
Start	8458	End	8817
GI	none	Score	202
Exons	8458..8817, 8458..8817		

Seq. No.	33284	Seq. ID	OJ991208_19.0302.C10
Gene No.	69026	Strand	-
Start	1	End	9008
Name	OJ991208_19.0302.C10.o1.tm	Method	TBLASTX:Maize
Start	8503	End	8886
GI	none	Score	252
Exons	8503..8886, 8506..8886		

Seq. No.	33284	Seq. ID	OJ991208_19.0302.C10
Gene No.	69026	Strand	-
Start	1	End	9008
Name	OJ991208_19.0302.C10.o1.ts	Method	TBLASTX:Soybean
Start	8563	End	8889
GI	none	Score	247
Exons	8563..8889, 8563..8781		

Seq. No.	33285	Seq. ID	OJ991208_19.0302.C11
Gene No.	69027	Strand	+
Start	2042	End	5521
Name	OJ991208_19.0302.C11.o1.gs	Method	GENSCAN
Start	2042	End	5521
GI	none	Score	.54
Exons	2042..2175, 4818..4971, 5415..5521		

Seq. No.	33285	Seq. ID	OJ991208_19.0302.C11
Gene No.	69027	Strand	+
Start	2042	End	5521
Name	OJ991208_19.0302.C11.o2.np	Method	AAT/NAP
Start	3074	End	5023
GI	4680186	Score	238
Exons	3074..3138, 4818..5023		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	33285	Seq. ID	OJ991208_19.0302.C11
Gene No.	69028	Strand	+

Start	8547	End	9425
Name	OJ991208_19.0302.C11.o4.np	Method	AAT/NAP
Start	8547	End	9425
GI	6469259	Score	70
Exons	8547..8628, 8941..9078, 9390..9425		
GI Descrip.	(AL133220) ABC transport protein, ATP-binding component. [Streptomyces coelicolor A3(2)]		

Seq. No.	33285	Seq. ID	OJ991208_19.0302.C11
Gene No.	69029	Strand	-
Start	98	End	2718
Name	OJ991208_19.0302.C11.o1.np	Method	AAT/NAP
Start	98	End	2718
GI	6539580	Score	391
Exons	98..199, 317..412, 2249..2373, 2682..2718		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	33285	Seq. ID	OJ991208_19.0302.C11
Gene No.	69030	Strand	-
Start	4570	End	4951
Name	OJ991208_19.0302.C11.o1.gp	Method	AAT/GAP
Start	4570	End	4951
GI	uC-osflcyp033a04b1	Score	631
Exons	4570..4951		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	33285	Seq. ID	OJ991208_19.0302.C11
Gene No.	69031	Strand	-
Start	5414	End	7136
Name	OJ991208_19.0302.C11.o3.np	Method	AAT/NAP
Start	5414	End	7136
GI	6907087	Score	930
Exons	5414..5515, 6056..6715, 6762..7136		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33286	Seq. ID	OJ991208_19.0302.C12
Gene No.	69032	Strand	+
Start	2099	End	4297
Name	OJ991208_19.0302.C12.o1.np	Method	AAT/NAP
Start	2099	End	4267
GI	6729502	Score	239
Exons	2099..2187, 3803..4267		
GI Descrip.	(AL132966) ABC transporter-like protein [Arabidopsis thaliana]		

Seq. No.	33286	Seq. ID	OJ991208_19.0302.C12
Gene No.	69032	Strand	+
Start	2099	End	4297
Name	OJ991208_19.0302.C12.o1.gs	Method	GENSCAN
Start	2756	End	4297
GI	none	Score	.59
Exons	2756..2835, 2894..2970, 3655..3734, 3821..4297		

Seq. No.	33286	Seq. ID	OJ991208_19.0302.C12
Gene No.	69033	Strand	-

Start	414	End	497
Name	OJ991208_19.0302.C12.o1.gp	Method	AAT/GAP
Start	414	End	497
GI	38012_1.R1084	Score	94
Exons	414..497		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	33286	Seq. ID	OJ991208_19.0302.C12
Gene No.	69034	Strand	
Start	3654	End	4285
Name	OJ991208_19.0302.C12.o1.tc	Method	TBLASTX:Cress
Start	3654	End	4285
GI	none	Score	63
Exons	3654..3728, 3820..3888, 3821..3892, 4006..4113, 4007..4285, 4162..4284		

Seq. No.	33286	Seq. ID	OJ991208_19.0302.C12
Gene No.	69034	Strand	
Start	3654	End	4285
Name	OJ991208_19.0302.C12.o1.ts	Method	TBLASTX:Soybean
Start	3654	End	4279
GI	none	Score	80
Exons	3654..3734, 3824..4168, 4006..4167, 4165..4278, 4169..4279		

Seq. No.	33286	Seq. ID	OJ991208_19.0302.C12
Gene No.	69034	Strand	
Start	3654	End	4285
Name	OJ991208_19.0302.C12.o1.tm	Method	TBLASTX:Maize
Start	3818	End	4285
GI	none	Score	399
Exons	3818..4285, 3820..3915, 3932..3967, 4006..4284		

Seq. No.	33287	Seq. ID	OJ991208_19.0302.C13
Gene No.	69035	Strand	
Start	1	End	527
Name	OJ991208_19.0302.C13.o1.tm	Method	TBLASTX:Maize
Start	1	End	527
GI	none	Score	56
Exons	1..96, 2..67, 2..70, 3..68, 3..68, 3..110, 99..230, 117..248, 117..245, 121..246, 124..228, 128..232, 130..228, 131..235, 132..236, 139..246, 148..243, 296..325, 296..331, 299..466, 337..444, 339..452, 339..467, 339..470, 340..453, 345..527, 345..470, 346..474, 347..421, 348..491, 349..471, 360..524		

Seq. No.	33288	Seq. ID	OJ991208_19.0302.C14
Gene No.	69036	Strand	+
Start	1	End	678
Name	OJ991208_19.0302.C14.o1.np	Method	AAT/NAP
Start	1	End	651
GI	4416302	Score	670
Exons	1..651		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	33288	Seq. ID	OJ991208_19.0302.C14
Gene No.	69036	Strand	+
Start	1	End	678

Name	OJ991208_19.0302.C14.o1.tm	Method	TBLASTX:Maize
Start	2	End	627
GI	none	Score	207
Exons	2..202, 19..189, 204..599, 205..627, 409..615		

Seq. No.	33288	Seq. ID	OJ991208_19.0302.C14
Gene No.	69036	Strand	+
Start	1	End	678
Name	OJ991208_19.0302.C14.o1.ts	Method	TBLASTX:Soybean
Start	5	End	678
GI	none	Score	129
Exons	5..202, 205..381, 400..678		

Seq. No.	33288	Seq. ID	OJ991208_19.0302.C14
Gene No.	69036	Strand	+
Start	1	End	678
Name	OJ991208_19.0302.C14.o1.tw	Method	TBLASTX:Wheat
Start	217	End	585
GI	none	Score	94
Exons	217..381, 394..585, 409..585		

Seq. No.	33288	Seq. ID	OJ991208_19.0302.C14
Gene No.	69036	Strand	+
Start	1	End	678
Name	OJ991208_19.0302.C14.o1.tc	Method	TBLASTX:Cress
Start	265	End	585
GI	none	Score	73
Exons	265..381, 418..585		

Seq. No.	33288	Seq. ID	OJ991208_19.0302.C14
Gene No.	69036	Strand	+
Start	1	End	678
Name	OJ991208_19.0302.C14.o1.gs	Method	GENSCAN
Start	282	End	651
GI	none	Score	.74
Exons	282..651		

Seq. No.	33289	Seq. ID	OJ991208_19.0302.C15
Gene No.	69037	Strand	+
Start	265	End	1475
Name	OJ991208_19.0302.C15.o1.np	Method	AAT/NAP
Start	265	End	1475
GI	6539588	Score	243
Exons	265..591, 1134..1475		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	33289	Seq. ID	OJ991208_19.0302.C15
Gene No.	69038	Strand	-
Start	3243	End	3664
Name	OJ991208_19.0302.C15.o2.gs	Method	GENSCAN
Start	3243	End	3664
GI	none	Score	.78
Exons	3243..3303, 3345..3664		

Seq. No.	33290	Seq. ID	OJ991208_19.0302.C16
Gene No.	69039	Strand	+
Start	1706	End	5984

Name	OJ991208_19.0302.C16.o2.gs	Method	GENSCAN
Start	1706	End	5984
GI	none	Score	.72
Exons	1706..1760, 4108..4241, 4346..4476, 4516..4681, 5001..5233, 5293..5439, 5515..5638, 5640..5984		

Seq. No.	33290	Seq. ID	OJ991208_19.0302.C16
Gene No.	69040	Strand	-
Start	19	End	217
Name	OJ991208_19.0302.C16.o1.gs	Method	GENSCAN
Start	19	End	217
GI	none	Score	.56
Exons	19..92, 133..217		

Seq. No.	33291	Seq. ID	OJ991208_19.0302.C17
Gene No.	69041	Strand	-
Start	2682	End	2918
Name	OJ991208_19.0302.C17.o2.gs	Method	GENSCAN
Start	2682	End	2918
GI	none	Score	.86
Exons	2682..2785, 2846..2918		

Seq. No.	33292	Seq. ID	OJ991208_19.0302.C18
Gene No.	69042	Strand	+
Start	2534	End	3649
Name	OJ991208_19.0302.C18.o1.gs	Method	GENSCAN
Start	2534	End	3649
GI	none	Score	1
Exons	2534..3649		

Seq. No.	33292	Seq. ID	OJ991208_19.0302.C18
Gene No.	69043	Strand	-
Start	6884	End	13541
Name	OJ991208_19.0302.C18.o2.gs	Method	GENSCAN
Start	6884	End	9185
GI	none	Score	.42
Exons	6884..7075, 7124..7194, 7611..7784, 8421..8526, 9093..9185		

Seq. No.	33292	Seq. ID	OJ991208_19.0302.C18
Gene No.	69043	Strand	-
Start	6884	End	13541
Name	OJ991208_19.0302.C18.o1.np	Method	AAT/NAP
Start	7079	End	12854
GI	6815052	Score	1924
Exons	7079..7194, 7455..7529, 7611..8342, 8391..8526, 9307..9399, 11766..11864, 12165..12282, 12544..12618, 12700..12854		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	33292	Seq. ID	OJ991208_19.0302.C18
Gene No.	69043	Strand	-
Start	6884	End	13541
Name	OJ991208_19.0302.C18.o3.gs	Method	GENSCAN
Start	10243	End	13541
GI	none	Score	.57
Exons	10243..10716, 10781..10894, 10942..11183, 11215..11318, 12238..12282, 12700..12958, 13493..13541		

Seq. No.	33292	Seq. ID	OJ991208_19.0302.C18
Gene No.	69044	Strand	-
Start	15219	End	27545
Name	OJ991208_19.0302.C18.o1.ts	Method	TBLASTX:Soybean
Start	2600	End	2835
GI	5606389	Score	289
Exons	2600..2824, 2680..2718, 2743..2835		
GI Descrip.	-		

Seq. No.	33292	Seq. ID	OJ991208_19.0302.C18
Gene No.	69044	Strand	-
Start	15219	End	27545
Name	OJ991208_19.0302.C18.o1.tm	Method	TBLASTX:Maize
Start	2674	End	2835
GI	none	Score	279
Exons	2674..2835, 2675..2824		

Seq. No.	33292	Seq. ID	OJ991208_19.0302.C18
Gene No.	69044	Strand	-
Start	15219	End	27545
Name	OJ991208_19.0302.C18.o1.tc	Method	TBLASTX:Cress
Start	2675	End	2835
GI	none	Score	286
Exons	2675..2824, 2680..2718, 2743..2835		

Seq. No.	33292	Seq. ID	OJ991208_19.0302.C18
Gene No.	69044	Strand	-
Start	15219	End	27545
Name	OJ991208_19.0302.C18.o1.tw	Method	TBLASTX:Wheat
Start	8581	End	9080
GI	none	Score	104
Exons	8581..8853, 8862..9080		

Seq. No.	33292	Seq. ID	OJ991208_19.0302.C18
Gene No.	69044	Strand	-
Start	15219	End	27545
Name	OJ991208_19.0302.C18.o4.gs	Method	GENSCAN
Start	15219	End	27509
GI	none	Score	.47
Exons	15219..15471, 15606..16076, 17132..17227, 17634..17817, 17985..18040, 18700..18805, 20434..20456, 22012..22178, 22238..22417, 22429..22530, 22579..22755, 22824..22886, 22993..23085, 23112..23163, 23230..23499, 24141..24259, 24325..24333, 26263..26433, 26510..26596, 27420..27509		

Seq. No.	33292	Seq. ID	OJ991208_19.0302.C18
Gene No.	69044	Strand	-
Start	15219	End	27545
Name	OJ991208_19.0302.C18.o2.ts	Method	TBLASTX:Soybean
Start	26269	End	26434
GI	none	Score	146
Exons	26269..26427, 26273..26428, 26294..26434		

Seq. No.	33292	Seq. ID	OJ991208_19.0302.C18
Gene No.	69044	Strand	-
Start	15219	End	27545
Name	OJ991208_19.0302.C18.o3.np	Method	AAT/NAP

Start	26269	End	27545
GI	4263792	Score	428
Exons	26269..26433, 26510..26596, 27198..27317, 27420..27545		
GI Descrip.	(AC006068) unknown protein [Arabidopsis thaliana]		

Seq. No.	33292	Seq. ID	OJ991208_19.0302.C18
Gene No.	69044	Strand	-
Start	15219	End	27545
Name	OJ991208_19.0302.C18.o2.tc	Method	TBLASTX:Cress
Start	26270	End	26434
GI	none	Score	117
Exons	26270..26359, 26272..26358, 26294..26359, 26362..26427, 26375..26428, 26378..26434		

Seq. No.	33292	Seq. ID	OJ991208_19.0302.C18
Gene No.	69044	Strand	-
Start	15219	End	27545
Name	OJ991208_19.0302.C18.o2.tm	Method	TBLASTX:Maize
Start	27240	End	27537
GI	none	Score	54
Exons	27240..27314, 27243..27320, 27372..27407, 27411..27521, 27411..27533, 27412..27537		

Seq. No.	33292	Seq. ID	OJ991208_19.0302.C18
Gene No.	69044	Strand	-
Start	15219	End	27545
Name	OJ991208_19.0302.C18.o1.gp	Method	AAT/GAP
Start	27409	End	27545
GI	LIB3477-002-P1-K1-H11	Score	191
Exons	27409..27545		
GI Descrip.	'3608127 3.0e-28 (AC005314) unknown protein [Arabidopsis thaliana]'		

Seq. No.	33293	Seq. ID	OJ991208_19.0302.C19
Gene No.	69045	Strand	+
Start	10145	End	12338
Name	OJ991208_19.0302.C19.o2.gp	Method	AAT/GAP
Start	10096	End	12338
GI	none	Score	2073
Exons	10096..10341, 10431..10515, 10887..10965, 11089..11202, 11446..11558, 11767..11874, 11957..12338		

Seq. No.	33293	Seq. ID	OJ991208_19.0302.C19
Gene No.	69045	Strand	+
Start	10145	End	12338
Name	OJ991208_19.0302.C19.o2.gs	Method	GENSCAN
Start	10145	End	12076
GI	none	Score	.81
Exons	10145..10341, 10431..10515, 10887..10965, 11089..11118, 11446..11558, 11767..11874, 11957..12076		

Seq. No.	33293	Seq. ID	OJ991208_19.0302.C19
Gene No.	69046	Strand	+
Start	15991	End	16974
Name	OJ991208_19.0302.C19.o4.gs	Method	GENSCAN
Start	15991	End	16974
GI	none	Score	.89

Exons	15991..16071, 16263..16403, 16567..16974		
Seq. No.	33293	Seq. ID	OJ991208_19.0302.C19
Gene No.	69047	Strand	-
Start	1	End	9649
Name	OJ991208_19.0302.C19.o1.np	Method	AAT/NAP
Start	1	End	3521
GI	4263792	Score	1106
Exons	1..19, 607..720, 1239..1363, 1844..1983, 2288..2469, 3050..3521		
GI Descrip.	(AC006068) unknown protein [Arabidopsis thaliana]		
Seq. No.	33293	Seq. ID	OJ991208_19.0302.C19
Gene No.	69047	Strand	-
Start	1	End	9649
Name	OJ991208_19.0302.C19.o1.gs	Method	GENSCAN
Start	1239	End	9649
GI	none	Score	.41
Exons	1239..1292, 1848..1983, 2234..2490, 3050..3575, 3703..3854, 8057..8102, 8216..8283, 8383..8643, 8655..9070, 9642..9649		
Seq. No.	33293	Seq. ID	OJ991208_19.0302.C19
Gene No.	69047	Strand	-
Start	1	End	9649
Name	OJ991208_19.0302.C19.o1.gp	Method	AAT/GAP
Start	6143	End	7477
GI	13768_1.R1084	Score	902
Exons	6143..6570, 7385..7477		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 1.0e-11 Homo sapiens PEX1 mRNA, complete cds'		
Seq. No.	33293	Seq. ID	OJ991208_19.0302.C19
Gene No.	69048	Strand	-
Start	12878	End	16309
Name	OJ991208_19.0302.C19.o3.gp	Method	AAT/GAP
Start	12596	End	16309
GI	15074_1.R1084	Score	1227
Exons	12596..12630, 12688..12947, 13029..13096, 14457..14508, 14602..14771, 14849..14882, 16188..16309		
GI Descrip.	'4960150/gb|AAD34613.1|AF153277_1 1.0e-46 (AF153277) DNA-directed RNA polymerase IIa [Nicotiana tabacum] >gi_4960152_gb_AAD34614.1_AF153278_1 (AF153278) DNA-directed RNA polymerase IIb [Nicotiana tabacum]'		
Seq. No.	33293	Seq. ID	OJ991208_19.0302.C19
Gene No.	69048	Strand	-
Start	12878	End	16309
Name	OJ991208_19.0302.C19.o3.gs	Method	GENSCAN
Start	12878	End	14906
GI	none	Score	.91
Exons	12878..12947, 13029..13096, 14457..14508, 14602..14771, 14883..14906		
Seq. No.	33293	Seq. ID	OJ991208_19.0302.C19
Gene No.	69048	Strand	-
Start	12878	End	16309
Name	OJ991208_19.0302.C19.o2.np	Method	AAT/NAP
Start	12881	End	16219

GI	4960150	Score	418
Exons	12881..12947, 13029..13096, 14457..14508, 14602..14771, 14849..14882, 16188..16219		
GI Descrip.	(AF153277) DNA-directed RNA polymerase IIa [Nicotiana tabacum] gi|4960152|gb|AAD34614.1|AF153278_1 (AF153278) DNA-directed RNA polymerase IIb [Nicotiana tabacum]		

Seq. No.	33293	Seq. ID	OJ991208_19.0302.C19
Gene No.	69049	Strand	-
Start	21055	End	21148
Name	OJ991208_19.0302.C19.o1.tc	Method	TBLASTX:Cress
Start	599	End	1951
GI	none	Score	148
Exons	599..721, 604..720, 606..722, 1236..1310, 1397..1510, 1401..1496, 1837..1950, 1847..1951		

Seq. No.	33293	Seq. ID	OJ991208_19.0302.C19
Gene No.	69049	Strand	-
Start	21055	End	21148
Name	OJ991208_19.0302.C19.o3.ts	Method	TBLASTX:Soybean
Start	600	End	721
GI	none	Score	112
Exons	600..716, 604..717, 604..720, 605..721		

Seq. No.	33293	Seq. ID	OJ991208_19.0302.C19
Gene No.	69049	Strand	-
Start	21055	End	21148
Name	OJ991208_19.0302.C19.o4.tm	Method	TBLASTX:Maize
Start	604	End	1307
GI	none	Score	190
Exons	604..720, 605..721, 606..728, 1234..1293, 1236..1307, 1239..1301		

Seq. No.	33293	Seq. ID	OJ991208_19.0302.C19
Gene No.	69049	Strand	-
Start	21055	End	21148
Name	OJ991208_19.0302.C19.o5.ts	Method	TBLASTX:Soybean
Start	1858	End	2371
GI	none	Score	127
Exons	1858..1986, 1859..1987, 1860..1991, 2228..2296, 2270..2371		

Seq. No.	33293	Seq. ID	OJ991208_19.0302.C19
Gene No.	69049	Strand	-
Start	21055	End	21148
Name	OJ991208_19.0302.C19.o3.tm	Method	TBLASTX:Maize
Start	1884	End	2407
GI	none	Score	71
Exons	1884..1958, 1885..2019, 1886..1960, 2233..2331, 2234..2323, 2315..2407, 2326..2403		

Seq. No.	33293	Seq. ID	OJ991208_19.0302.C19
Gene No.	69049	Strand	-
Start	21055	End	21148
Name	OJ991208_19.0302.C19.o1.ts	Method	TBLASTX:Soybean
Start	2444	End	3257
GI	none	Score	115
Exons	2444..2491, 3051..3254, 3051..3257		

Seq. No.	33293	Seq. ID	OJ991208_19.0302.C19
Gene No.	69049	Strand	-
Start	21055	End	21148
Name	OJ991208_19.0302.C19.o1.tm	Method	TBLASTX:Maize
Start	10144	End	13097
GI	none	Score	67
Exons	10144..10191, 10145..10192, 10177..10254, 10178..10240, 10430..10492, 10433..10498, 10434..10511, 10434..10511, 10435..10512, 10880..10948, 10886..10966, 10887..10967, 11079..11216, 11087..11245, 11088..11225, 11444..11509, 11445..11558, 11459..11560, 11472..11558, 11760..11936, 11764..11874, 11956..12075, 11956..12051, 11957..12076, 11960..12067, 12879..12947, 12884..12949, 12885..12908, 12899..12946, 13029..13097, 13031..13096		

Seq. No.	33293	Seq. ID	OJ991208_19.0302.C19
Gene No.	69049	Strand	-
Start	21055	End	21148
Name	OJ991208_19.0302.C19.o2.ts	Method	TBLASTX:Soybean
Start	10437	End	12067
GI	none	Score	124
Exons	10437..10511, 10438..10515, 10886..10966, 10887..10967, 11087..11224, 11088..11225, 11088..11234, 11444..11509, 11445..11558, 11769..11852, 11770..11853, 11956..12054, 11957..12067		

Seq. No.	33293	Seq. ID	OJ991208_19.0302.C19
Gene No.	69049	Strand	-
Start	21055	End	21148
Name	OJ991208_19.0302.C19.o2.tc	Method	TBLASTX:Cress
Start	12884	End	14696
GI	none	Score	43
Exons	12884..12949, 12899..12943, 13023..13097, 13031..13096, 14454..14510, 14459..14509, 14602..14679, 14604..14696		

Seq. No.	33293	Seq. ID	OJ991208_19.0302.C19
Gene No.	69049	Strand	-
Start	21055	End	21148
Name	OJ991208_19.0302.C19.o4.ts	Method	TBLASTX:Soybean
Start	12884	End	14881
GI	none	Score	60
Exons	12884..12949, 12902..12949, 13029..13097, 13031..13096, 14454..14510, 14457..14528, 14602..14679, 14604..14705, 14849..14881		

Seq. No.	33293	Seq. ID	OJ991208_19.0302.C19
Gene No.	69049	Strand	-
Start	21055	End	21148
Name	OJ991208_19.0302.C19.o1.tw	Method	TBLASTX:Wheat
Start	12902	End	14773
GI	none	Score	61
Exons	12902..12949, 12902..12949, 13029..13097, 13031..13099, 13031..13096, 14454..14510, 14457..14519, 14602..14688, 14602..14688, 14603..14773, 14604..14723		

Seq. No.	33293	Seq. ID	OJ991208_19.0302.C19
Gene No.	69049	Strand	-

Start	21055	End	21148
Name	OJ991208_19.0302.C19.o2.tm	Method	TBLASTX:Maize
Start	14454	End	14884
GI	none	Score	92
Exons	14454..14510, 14457..14519, 14602..14688, 14602..14688, 14603..14773, 14604..14723, 14618..14773, 14846..14884, 14849..14881		

Seq. No.	33293	Seq. ID	OJ991208_19.0302.C19
Gene No.	69049	Strand	-
Start	21055	End	21148
Name	OJ991208_19.0302.C19.o5.gs	Method	GENSCAN
Start	21055	End	21148
GI	none	Score	.89
Exons	21055..21148		

Seq. No.	33294	Seq. ID	OJ991208_19.0302.C20
Gene No.	69050	Strand	-
Start	294	End	1321
Name	OJ991208_19.0302.C20.o1.gs	Method	GENSCAN
Start	294	End	1321
GI	none	Score	.59
Exons	294..491, 765..797, 873..1028, 1184..1321		

Seq. No.	33295	Seq. ID	OJ991208_19.0302.C21
Gene No.	69051	Strand	-
Start	1	End	731
Name	OJ991208_19.0302.C21.o1.np	Method	AAT/NAP
Start	1	End	731
GI	5091513	Score	861
Exons	1..731		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	33295	Seq. ID	OJ991208_19.0302.C21
Gene No.	69051	Strand	-
Start	1	End	731
Name	OJ991208_19.0302.C21.o1.gs	Method	GENSCAN
Start	34	End	628
GI	none	Score	.78
Exons	34..398, 478..577, 583..628		

Seq. No.	33296	Seq. ID	OJ991208_19.0302.C22
Gene No.	69052	Strand	-
Start	390	End	695
Name	OJ991208_19.0302.C22.o1.gp	Method	AAT/GAP
Start	390	End	695
GI	72524_1.R1084	Score	419
Exons	390..695		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	33296	Seq. ID	OJ991208_19.0302.C22
Gene No.	69053	Strand	-
Start	2059	End	6121
Name	OJ991208_19.0302.C22.o1.np	Method	AAT/NAP
Start	2059	End	6121
GI	5091513	Score	2562

Exons	2059..2314, 3197..4614, 5368..6121		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	33296	Seq. ID	OJ991208_19.0302.C22
Gene No.	69054	Strand	-
Start	6961	End	7266
Name	OJ991208_19.0302.C22.o3.gp	Method	AAT/GAP
Start	6961	End	7266
GI	72524_1.R1084	Score	414
Exons	6961..7266		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		
Seq. No.	33297	Seq. ID	OJ991208_19.0302.C23
Gene No.	69055	Strand	+
Start	1030	End	6303
Name	OJ991208_19.0302.C23.o1.gp	Method	AAT/GAP
Start	1030	End	1394
GI	uC-osflcyp033a04b1	Score	562
Exons	1030..1394		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	33297	Seq. ID	OJ991208_19.0302.C23
Gene No.	69055	Strand	+
Start	1030	End	6303
Name	OJ991208_19.0302.C23.o1.gs	Method	GENSCAN
Start	1086	End	6303
GI	none	Score	.62
Exons	1086..1181, 3568..3689, 5583..5732, 5955..6085, 6153..6303		
Seq. No.	33297	Seq. ID	OJ991208_19.0302.C23
Gene No.	69056	Strand	-
Start	1	End	6265
Name	OJ991208_19.0302.C23.o1.np	Method	AAT/NAP
Start	1	End	6265
GI	5852180	Score	270
Exons	1..132, 184..302, 1243..1296, 6240..6265		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	33297	Seq. ID	OJ991208_19.0302.C23
Gene No.	69056	Strand	-
Start	1	End	6265
Name	OJ991208_19.0302.C23.o2.np	Method	AAT/NAP
Start	1143	End	5809
GI	5852181	Score	111
Exons	1143..1227, 2395..2707, 5671..5809		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		
Seq. No.	33298	Seq. ID	OJ991208_19.0302.C24
Gene No.	69057	Strand	-
Start	621	End	2118
Name	OJ991208_19.0302.C24.o1.np	Method	AAT/NAP
Start	621	End	2098
GI	6623973	Score	1347
Exons	621..2098		
GI Descrip.	(AC007505) Highly similar to Ta1-3 polyprotein [Arabidopsis		

thaliana]

Seq. No.	33298	Seq. ID	OJ991208_19.0302.C24
Gene No.	69057	Strand	-
Start	621	End	2118
Name	OJ991208_19.0302.C24.o1.tc	Method	TBLASTX:Cress
Start	630	End	1232
GI	none	Score	63
Exons	630..842, 858..995, 1005..1109, 1104..1232		

Seq. No.	33298	Seq. ID	OJ991208_19.0302.C24
Gene No.	69057	Strand	-
Start	621	End	2118
Name	OJ991208_19.0302.C24.o1.tm	Method	TBLASTX:Maize
Start	630	End	1052
GI	none	Score	255
Exons	630..1052, 634..1035		

Seq. No.	33298	Seq. ID	OJ991208_19.0302.C24
Gene No.	69057	Strand	-
Start	621	End	2118
Name	OJ991208_19.0302.C24.o2.ts	Method	TBLASTX:Soybean
Start	633	End	1031
GI	none	Score	142
Exons	633..746, 756..1031, 759..1022, 769..1029		

Seq. No.	33298	Seq. ID	OJ991208_19.0302.C24
Gene No.	69057	Strand	-
Start	621	End	2118
Name	OJ991208_19.0302.C24.o2.tw	Method	TBLASTX:Wheat
Start	657	End	1110
GI	none	Score	50
Exons	657..857, 658..846, 876..1079, 880..1110		

Seq. No.	33298	Seq. ID	OJ991208_19.0302.C24
Gene No.	69057	Strand	-
Start	621	End	2118
Name	OJ991208_19.0302.C24.o3.tm	Method	TBLASTX:Maize
Start	1108	End	1505
GI	none	Score	142
Exons	1108..1281, 1116..1289, 1126..1281, 1266..1382, 1286..1396, 1358..1498, 1428..1505		

Seq. No.	33298	Seq. ID	OJ991208_19.0302.C24
Gene No.	69057	Strand	-
Start	621	End	2118
Name	OJ991208_19.0302.C24.o1.tw	Method	TBLASTX:Wheat
Start	1206	End	1940
GI	none	Score	64
Exons	1206..1283, 1286..1543, 1334..1543, 1611..1940, 1627..1938		

Seq. No.	33298	Seq. ID	OJ991208_19.0302.C24
Gene No.	69057	Strand	-
Start	621	End	2118
Name	OJ991208_19.0302.C24.o2.tm	Method	TBLASTX:Maize
Start	1507	End	1944
GI	none	Score	40

Exons	1507..1524, 1563..1943, 1648..1944		
Seq. No.	33298	Seq. ID	OJ991208_19.0302.C24
Gene No.	69057	Strand	-
Start	621	End	2118
Name	OJ991208_19.0302.C24.o1.ts	Method	TBLASTX:Soybean
Start	1529	End	1919
GI	none	Score	80
Exons	1529..1717, 1530..1919, 1572..1754, 1627..1917		
Seq. No.	33298	Seq. ID	OJ991208_19.0302.C24
Gene No.	69057	Strand	-
Start	621	End	2118
Name	OJ991208_19.0302.C24.o3.tw	Method	TBLASTX:Wheat
Start	1941	End	2118
GI	none	Score	167
Exons	1941..2111, 1942..2118		
Seq. No.	33299	Seq. ID	OJ991208_19.0302.C25
Gene No.	69058	Strand	+
Start	1	End	3075
Name	OJ991208_19.0302.C25.o1.np	Method	AAT/NAP
Start	1	End	3075
GI	4680179	Score	2162
Exons	1..1669, 3039..3075		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	33299	Seq. ID	OJ991208_19.0302.C25
Gene No.	69058	Strand	+
Start	1	End	3075
Name	OJ991208_19.0302.C25.o1.gs	Method	GENSCAN
Start	95	End	2047
GI	none	Score	1
Exons	95..2047		
Seq. No.	33299	Seq. ID	OJ991208_19.0302.C25
Gene No.	69059	Strand	+
Start	3270	End	5055
Name	OJ991208_19.0302.C25.o3.np	Method	AAT/NAP
Start	3270	End	5055
GI	6002794	Score	386
Exons	3270..3361, 4604..4645, 4821..5055		
GI Descrip.	(AF149813) unknown [Oryza sativa]		
Seq. No.	33299	Seq. ID	OJ991208_19.0302.C25
Gene No.	69060	Strand	+
Start	5546	End	7512
Name	OJ991208_19.0302.C25.o4.np	Method	AAT/NAP
Start	5546	End	7512
GI	4680179	Score	1169
Exons	5546..6602, 6705..7512		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	33299	Seq. ID	OJ991208 19.0302.C25
Gene No.	69061	Strand	-
Start	3325	End	7512
Name	OJ991208_19.0302.C25.o3.tw	Method	TBLASTX:Wheat

Start	37	End	7512
GI	none	Score	435
Exons	37..369, 38..397, 44..388, 7286..7510, 7294..7512		

Seq. No.	33299	Seq. ID	OJ991208_19.0302.C25
Gene No.	69061	Strand	-
Start	3325	End	7512
Name	OJ991208_19.0302.C25.o6.tm	Method	TBLASTX:Maize
Start	37	End	7512
GI	none	Score	213
Exons	37..213, 38..214, 44..214, 7298..7510, 7399..7512		

Seq. No.	33299	Seq. ID	OJ991208_19.0302.C25
Gene No.	69061	Strand	-
Start	3325	End	7512
Name	OJ991208_19.0302.C25.o2.tm	Method	TBLASTX:Maize
Start	284	End	784
GI	none	Score	159
Exons	284..463, 449..784, 575..622, 610..774		

Seq. No.	33299	Seq. ID	OJ991208_19.0302.C25
Gene No.	69061	Strand	-
Start	3325	End	7512
Name	OJ991208_19.0302.C25.o1.ts	Method	TBLASTX:Soybean
Start	338	End	733
GI	none	Score	56
Exons	338..370, 355..705, 374..733		

Seq. No.	33299	Seq. ID	OJ991208_19.0302.C25
Gene No.	69061	Strand	-
Start	3325	End	7512
Name	OJ991208_19.0302.C25.o5.tw	Method	TBLASTX:Wheat
Start	446	End	742
GI	none	Score	364
Exons	446..742, 463..705		

Seq. No.	33299	Seq. ID	OJ991208_19.0302.C25
Gene No.	69061	Strand	-
Start	3325	End	7512
Name	OJ991208_19.0302.C25.o1.tw	Method	TBLASTX:Wheat
Start	748	End	1174
GI	none	Score	606
Exons	748..1137, 749..1174, 806..1159, 810..1172		

Seq. No.	33299	Seq. ID	OJ991208_19.0302.C25
Gene No.	69061	Strand	-
Start	3325	End	7512
Name	OJ991208_19.0302.C25.o2.ts	Method	TBLASTX:Soybean
Start	755	End	1000
GI	none	Score	213
Exons	755..1000		

Seq. No.	33299	Seq. ID	OJ991208_19.0302.C25
Gene No.	69061	Strand	-
Start	3325	End	7512
Name	OJ991208_19.0302.C25.o1.tm	Method	TBLASTX:Maize
Start	821	End	1174

GI	none	Score	474
Exons	821..1174, 823..1122		

Seq. No.	33299	Seq. ID	OJ991208_19.0302.C25
Gene No.	69061	Strand	-
Start	3325	End	7512
Name	OJ991208_19.0302.C25.o2.tw	Method	TBLASTX:Wheat
Start	1217	End	1677
GI	none	Score	463
Exons	1217..1666, 1369..1677, 1494..1667		

Seq. No.	33299	Seq. ID	OJ991208_19.0302.C25
Gene No.	69061	Strand	-
Start	3325	End	7512
Name	OJ991208_19.0302.C25.o5.tm	Method	TBLASTX:Maize
Start	1388	End	1677
GI	none	Score	238
Exons	1388..1666, 1427..1666, 1501..1677		

Seq. No.	33299	Seq. ID	OJ991208_19.0302.C25
Gene No.	69061	Strand	-
Start	3325	End	7512
Name	OJ991208_19.0302.C25.o4.tw	Method	TBLASTX:Wheat
Start	1679	End	2032
GI	none	Score	400
Exons	1679..2032, 1679..2011		

Seq. No.	33299	Seq. ID	OJ991208_19.0302.C25
Gene No.	69061	Strand	-
Start	3325	End	7512
Name	OJ991208_19.0302.C25.o3.tm	Method	TBLASTX:Maize
Start	1746	End	2017
GI	none	Score	108
Exons	1746..2015, 1748..2017, 1789..1980		

Seq. No.	33299	Seq. ID	OJ991208_19.0302.C25
Gene No.	69061	Strand	-
Start	3325	End	7512
Name	OJ991208_19.0302.C25.o2.np	Method	AAT/NAP
Start	2239	End	4072
GI	6907086	Score	1244
Exons	2239..2616, 2731..2843, 3074..3249, 3308..4072		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	33299	Seq. ID	OJ991208_19.0302.C25
Gene No.	69061	Strand	-
Start	3325	End	7512
Name	OJ991208_19.0302.C25.o2.gs	Method	GENSCAN
Start	3325	End	3897
GI	none	Score	.98
Exons	3325..3444, 3507..3770, 3859..3897		

Seq. No.	33299	Seq. ID	OJ991208_19.0302.C25
Gene No.	69061	Strand	-
Start	3325	End	7512
Name	OJ991208_19.0302.C25.o7.tw	Method	TBLASTX:Wheat
Start	5765	End	6142

GI	none	Score	264
Exons	5765..6142		

Seq. No.	33299	Seq. ID	OJ991208_19.0302.C25
Gene No.	69061	Strand	-
Start	3325	End	7512
Name	OJ991208_19.0302.C25.o4.tm	Method	TBLASTX:Maize
Start	6023	End	6424
GI	none	Score	242
Exons	6023..6424		

Seq. No.	33299	Seq. ID	OJ991208_19.0302.C25
Gene No.	69061	Strand	-
Start	3325	End	7512
Name	OJ991208_19.0302.C25.o7.tm	Method	TBLASTX:Maize
Start	6733	End	7057
GI	none	Score	206
Exons	6733..6846, 6734..7057		

Seq. No.	33299	Seq. ID	OJ991208_19.0302.C25
Gene No.	69061	Strand	-
Start	3325	End	7512
Name	OJ991208_19.0302.C25.o6.tw	Method	TBLASTX:Wheat
Start	6739	End	7138
GI	none	Score	166
Exons	6739..6894, 6740..6961, 6970..7089, 6974..7138		

Seq. No.	33300	Seq. ID	OJ991208_19.0302.C26
Gene No.	69062	Strand	+
Start	948	End	1449
Name	OJ991208_19.0302.C26.o1.gs	Method	GENSCAN
Start	948	End	1449
GI	none	Score	.52
Exons	948..969, 1376..1449		

Seq. No.	33300	Seq. ID	OJ991208_19.0302.C26
Gene No.	69063	Strand	+
Start	7061	End	26313
Name	OJ991208_19.0302.C26.o3.np	Method	AAT/NAP
Start	7061	End	26313
GI	5295971	Score	2069
Exons	7061..7322, 8464..8592, 17344..18388, 18425..20126, 26250..26313		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	33300	Seq. ID	OJ991208_19.0302.C26
Gene No.	69063	Strand	+
Start	7061	End	26313
Name	OJ991208_19.0302.C26.o6.gs	Method	GENSCAN
Start	15957	End	20828
GI	none	Score	.51
Exons	15957..16041, 16463..16649, 17270..17423, 17444..20072, 20207..20277, 20571..20651, 20730..20828		

Seq. No.	33300	Seq. ID	OJ991208_19.0302.C26
Gene No.	69064	Strand	-

Start	1	End	5237
Name	OJ991208_19.0302.C26.o1.gp	Method	AAT/GAP
Start	1	End	82
GI	5667165	Score	136
Exons	1..82		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	33300	Seq. ID	OJ991208_19.0302.C26
Gene No.	69064	Strand	-
Start	1	End	5237
Name	OJ991208_19.0302.C26.o2.np	Method	AAT/NAP
Start	1	End	5237
GI	3402755	Score	1115
Exons	1..64, 2015..2642, 2670..4085, 5208..5237		
GI Descrip.	(AL031187) putative transposable element [Arabidopsis thaliana]		

Seq. No.	33300	Seq. ID	OJ991208_19.0302.C26
Gene No.	69064	Strand	-
Start	1	End	5237
Name	OJ991208_19.0302.C26.o1.np	Method	AAT/NAP
Start	1	End	897
GI	6907088	Score	516
Exons	1..19, 343..582, 760..897		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	33300	Seq. ID	OJ991208_19.0302.C26
Gene No.	69065	Strand	-
Start	6984	End	7438
Name	OJ991208_19.0302.C26.o2.gp	Method	AAT/GAP
Start	6804	End	7438
GI	15595_1.R1084	Score	1147
Exons	6804..7438		
GI Descrip.	'1420887 1.0e-08 (U34334) non-specific lipid transfer-like protein [Phaseolus vulgaris]'		

Seq. No.	33300	Seq. ID	OJ991208_19.0302.C26
Gene No.	69065	Strand	-
Start	6984	End	7438
Name	OJ991208_19.0302.C26.o4.gs	Method	GENSCAN
Start	6984	End	7298
GI	none	Score	1
Exons	6984..7298		

Seq. No.	33300	Seq. ID	OJ991208_19.0302.C26
Gene No.	69066	Strand	-
Start	20927	End	26313
Name	OJ991208_19.0302.C26.o1.tc	Method	TBLASTX:Cress
Start	1908	End	19747
GI	none	Score	295
Exons	1908..2156, 2172..2450, 19301..19747, 19325..19507		

Seq. No.	33300	Seq. ID	OJ991208_19.0302.C26
Gene No.	69066	Strand	-
Start	20927	End	26313
Name	OJ991208_19.0302.C26.o1.ts	Method	TBLASTX:Soybean
Start	2019	End	19747

GI	none	Score	135
Exons	2019..2168, 2154..2483, 2155..2475, 19289..19747, 19294..19557		

Seq. No.	33300	Seq. ID	OJ991208_19.0302.C26
Gene No.	69066	Strand	-
Start	20927	End	26313
Name	OJ991208_19.0302.C26.o1.tw	Method	TBLASTX:Wheat
Start	2052	End	19615
GI	none	Score	151
Exons	2052..2156, 2173..2232, 2265..2717, 2341..2718, 19054..19419, 19055..19516, 19522..19602, 19526..19615		

Seq. No.	33300	Seq. ID	OJ991208_19.0302.C26
Gene No.	69066	Strand	-
Start	20927	End	26313
Name	OJ991208_19.0302.C26.o1.tm	Method	TBLASTX:Maize
Start	2094	End	19687
GI	none	Score	99
Exons	2094..2159, 2175..2510, 2356..2496, 19261..19608, 19262..19609, 19299..19640, 19616..19687		

Seq. No.	33300	Seq. ID	OJ991208_19.0302.C26
Gene No.	69066	Strand	-
Start	20927	End	26313
Name	OJ991208_19.0302.C26.o2.ts	Method	TBLASTX:Soybean
Start	2520	End	19249
GI	none	Score	65
Exons	2520..2726, 2541..2639, 18920..19249, 19016..19096		

Seq. No.	33300	Seq. ID	OJ991208_19.0302.C26
Gene No.	69066	Strand	-
Start	20927	End	26313
Name	OJ991208_19.0302.C26.o2.tw	Method	TBLASTX:Wheat
Start	3034	End	18982
GI	none	Score	56
Exons	3034..3195, 18529..18795, 18530..18895, 18850..18897, 18896..18982		

Seq. No.	33300	Seq. ID	OJ991208_19.0302.C26
Gene No.	69066	Strand	-
Start	20927	End	26313
Name	OJ991208_19.0302.C26.o2.tm	Method	TBLASTX:Maize
Start	3048	End	18916
GI	none	Score	233
Exons	3048..3194, 18508..18726, 18509..18727, 18767..18916, 18823..18900		

Seq. No.	33300	Seq. ID	OJ991208_19.0302.C26
Gene No.	69066	Strand	-
Start	20927	End	26313
Name	OJ991208_19.0302.C26.o4.tw	Method	TBLASTX:Wheat
Start	3437	End	3807
GI	none	Score	36
Exons	3437..3478, 3504..3575, 3564..3674, 3576..3632, 3660..3806, 3661..3807		

Seq. No.	33300	Seq. ID	OJ991208_19.0302.C26

Gene No.	69066	Strand	-
Start	20927	End	26313
Name	OJ991208_19.0302.C26.o3.tm	Method	TBLASTX:Maize
Start	6975	End	7212
GI	none	Score	147
Exons	6975..7103, 6984..7211, 6985..7212		

Seq. No.	33300	Seq. ID	OJ991208_19.0302.C26
Gene No.	69066	Strand	-
Start	20927	End	26313
Name	OJ991208_19.0302.C26.o4.tm	Method	TBLASTX:Maize
Start	17438	End	17731
GI	none	Score	236
Exons	17438..17707, 17443..17727, 17444..17731		

Seq. No.	33300	Seq. ID	OJ991208_19.0302.C26
Gene No.	69066	Strand	-
Start	20927	End	26313
Name	OJ991208_19.0302.C26.o3.tw	Method	TBLASTX:Wheat
Start	17579	End	17911
GI	none	Score	214
Exons	17579..17911, 17672..17719, 17779..17895		

Seq. No.	33300	Seq. ID	OJ991208_19.0302.C26
Gene No.	69066	Strand	-
Start	20927	End	26313
Name	OJ991208_19.0302.C26.o3.gp	Method	AAT/GAP
Start	20927	End	23687
GI	4715727	Score	827
Exons	20927..21303, 23060..23116, 23655..23687		

Seq. No.	33300	Seq. ID	OJ991208_19.0302.C26
Gene No.	69066	Strand	-
Start	20927	End	26313
Name	OJ991208_19.0302.C26.o5.tm	Method	TBLASTX:Maize
Start	21244	End	26313
GI	none	Score	85
Exons	21244..21309, 21245..21304, 23049..23138, 23049..23117, 23059..23118, 23646..23777, 23659..23772, 26212..26313, 26216..26311, 26227..26313		

Seq. No.	33300	Seq. ID	OJ991208_19.0302.C26
Gene No.	69066	Strand	-
Start	20927	End	26313
Name	OJ991208_19.0302.C26.o2.tc	Method	TBLASTX:Cress
Start	21250	End	23777
GI	none	Score	71
Exons	21250..21309, 23064..23138, 23646..23777, 23647..23772, 23655..23774		

Seq. No.	33300	Seq. ID	OJ991208_19.0302.C26
Gene No.	69066	Strand	-
Start	20927	End	26313
Name	OJ991208_19.0302.C26.o4.np	Method	AAT/NAP
Start	23042	End	26313
GI	3834303	Score	206
Exons	23042..23116, 23655..23779, 26262..26313		

GI Descrip. (AC005679) F9K20.3 [Arabidopsis thaliana]

Seq. No.	33301	Seq. ID	OJ991208_19.0302.C27
Gene No.	69067	Strand	-
Start	252	End	2190
Name	OJ991208_19.0302.C27.o1.gs	Method	GENSCAN
Start	252	End	1868
GI	none	Score	.82
Exons	252..326, 411..512, 615..686, 1806..1868		

Seq. No.	33301	Seq. ID	OJ991208_19.0302.C27
Gene No.	69067	Strand	-
Start	252	End	2190
Name	OJ991208_19.0302.C27.o1.np	Method	AAT/NAP
Start	252	End	2190
GI	3834303	Score	132
Exons	252..326, 411..512, 615..686, 1806..1868, 1963..2190		
GI Descrip.	(AC005679) F9K20.3 [Arabidopsis thaliana]		

Seq. No.	33301	Seq. ID	OJ991208_19.0302.C27
Gene No.	69067	Strand	-
Start	252	End	2190
Name	OJ991208_19.0302.C27.o1.tm	Method	TBLASTX:Maize
Start	282	End	1865
GI	none	Score	42
Exons	282..323, 282..326, 286..324, 407..514, 412..528, 425..514, 456..521, 610..699, 612..695, 1806..1865		

Seq. No.	33302	Seq. ID	OJ991208_19.0302.C29
Gene No.	69068	Strand	-
Start	1	End	4872
Name	OJ991208_19.0302.C29.o1.np	Method	AAT/NAP
Start	1	End	2977
GI	6630685	Score	4376
Exons	1..2616, 2906..2977		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	33302	Seq. ID	OJ991208_19.0302.C29
Gene No.	69068	Strand	-
Start	1	End	4872
Name	OJ991208_19.0302.C29.o2.tm	Method	TBLASTX:Maize
Start	2	End	559
GI	none	Score	544
Exons	2..559, 3..551, 106..552		

Seq. No.	33302	Seq. ID	OJ991208_19.0302.C29
Gene No.	69068	Strand	-
Start	1	End	4872
Name	OJ991208_19.0302.C29.o2.ts	Method	TBLASTX:Soybean
Start	26	End	541
GI	none	Score	39
Exons	26..133, 48..140, 152..541, 153..317		

Seq. No.	33302	Seq. ID	OJ991208_19.0302.C29
Gene No.	69068	Strand	-
Start	1	End	4872

Name	OJ991208_19.0302.C29.o1.gs	Method	GENSCAN
Start	169	End	4832
GI	none	Score	.56
Exons	169..275, 280..373, 554..1102, 1224..1261, 1443..1742, 1807..2320, 2906..3049, 3087..3425, 3733..3972, 3991..4271, 4382..4832		

Seq. No.	33302	Seq. ID	OJ991208_19.0302.C29
Gene No.	69068	Strand	-
Start	1	End	4872
Name	OJ991208_19.0302.C29.o4.tw	Method	TBLASTX:Wheat
Start	326	End	736
GI	none	Score	82
Exons	326..562, 590..736		

Seq. No.	33302	Seq. ID	OJ991208_19.0302.C29
Gene No.	69068	Strand	-
Start	1	End	4872
Name	OJ991208_19.0302.C29.o3.tm	Method	TBLASTX:Maize
Start	674	End	1110
GI	none	Score	469
Exons	674..1108, 675..1109, 940..1110		

Seq. No.	33302	Seq. ID	OJ991208_19.0302.C29
Gene No.	69068	Strand	-
Start	1	End	4872
Name	OJ991208_19.0302.C29.o1.ts	Method	TBLASTX:Soybean
Start	912	End	1518
GI	5509260	Score	289
Exons	912..1295, 914..1294, 1301..1348, 1354..1518, 1355..1516		
GI Descrip.	-		

Seq. No.	33302	Seq. ID	OJ991208_19.0302.C29
Gene No.	69068	Strand	-
Start	1	End	4872
Name	OJ991208_19.0302.C29.o2.tw	Method	TBLASTX:Wheat
Start	926	End	1377
GI	none	Score	279
Exons	926..1273, 939..1271, 1069..1275, 1128..1283, 1304..1348, 1354..1377		

Seq. No.	33302	Seq. ID	OJ991208_19.0302.C29
Gene No.	69068	Strand	-
Start	1	End	4872
Name	OJ991208_19.0302.C29.o2.tc	Method	TBLASTX:Cress
Start	1031	End	1312
GI	none	Score	193
Exons	1031..1312		

Seq. No.	33302	Seq. ID	OJ991208_19.0302.C29
Gene No.	69068	Strand	-
Start	1	End	4872
Name	OJ991208_19.0302.C29.o5.tm	Method	TBLASTX:Maize
Start	1227	End	1545
GI	none	Score	133
Exons	1227..1352, 1229..1348, 1327..1464, 1340..1543, 1354..1545		

Seq. No.	33302	Seq. ID	OJ991208_19.0302.C29
Gene No.	69068	Strand	-
Start	1	End	4872
Name	OJ991208_19.0302.C29.o1.tm	Method	TBLASTX:Maize
Start	1552	End	2408
GI	none	Score	45
Exons	1552..1758, 1634..1675, 1679..1768, 1758..2336, 1759..2256, 1760..2335, 2335..2403, 2337..2408		

Seq. No.	33302	Seq. ID	OJ991208_19.0302.C29
Gene No.	69068	Strand	-
Start	1	End	4872
Name	OJ991208_19.0302.C29.o3.tw	Method	TBLASTX:Wheat
Start	1657	End	1984
GI	none	Score	87
Exons	1657..1737, 1758..1895, 1760..1906, 1895..1984, 1898..1984		

Seq. No.	33302	Seq. ID	OJ991208_19.0302.C29
Gene No.	69068	Strand	-
Start	1	End	4872
Name	OJ991208_19.0302.C29.o3.ts	Method	TBLASTX:Soybean
Start	1766	End	2227
GI	none	Score	153
Exons	1766..2227, 1917..2207		

Seq. No.	33302	Seq. ID	OJ991208_19.0302.C29
Gene No.	69068	Strand	-
Start	1	End	4872
Name	OJ991208_19.0302.C29.o1.tc	Method	TBLASTX:Cress
Start	1769	End	2191
GI	none	Score	233
Exons	1769..2191		

Seq. No.	33302	Seq. ID	OJ991208_19.0302.C29
Gene No.	69068	Strand	-
Start	1	End	4872
Name	OJ991208_19.0302.C29.o1.tw	Method	TBLASTX:Wheat
Start	2072	End	2645
GI	none	Score	167
Exons	2072..2383, 2073..2324, 2075..2386, 2397..2645, 2413..2637		

Seq. No.	33302	Seq. ID	OJ991208_19.0302.C29
Gene No.	69068	Strand	-
Start	1	End	4872
Name	OJ991208_19.0302.C29.o4.tm	Method	TBLASTX:Maize
Start	2409	End	2804
GI	none	Score	269
Exons	2409..2678, 2410..2685, 2492..2680, 2685..2804, 2689..2796		

Seq. No.	33302	Seq. ID	OJ991208_19.0302.C29
Gene No.	69068	Strand	-
Start	1	End	4872
Name	OJ991208_19.0302.C29.o5.tw	Method	TBLASTX:Wheat
Start	2796	End	3025
GI	none	Score	48
Exons	2796..2855, 2870..3025, 2871..2939, 2984..3025		

Seq. No.	33302	Seq. ID	OJ991208_19.0302.C29
Gene No.	69068	Strand	-
Start	1	End	4872
Name	OJ991208_19.0302.C29.o6.tm	Method	TBLASTX:Maize
Start	2805	End	3144
GI	none	Score	126
Exons	2805..2861, 2861..3046, 2862..3041, 3066..3143, 3070..3144		

Seq. No.	33302	Seq. ID	OJ991208_19.0302.C29
Gene No.	69068	Strand	-
Start	1	End	4872
Name	OJ991208_19.0302.C29.o3.np	Method	AAT/NAP
Start	3450	End	4872
GI	3645898	Score	397
Exons	3450..3665, 3752..4872		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	33302	Seq. ID	OJ991208_19.0302.C29
Gene No.	69068	Strand	-
Start	1	End	4872
Name	OJ991208_19.0302.C29.o2.np	Method	AAT/NAP
Start	3660	End	4872
GI	4416301	Score	377
Exons	3660..4343, 4373..4872		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	33302	Seq. ID	OJ991208_19.0302.C29
Gene No.	69068	Strand	-
Start	1	End	4872
Name	OJ991208_19.0302.C29.o7.tm	Method	TBLASTX:Maize
Start	4533	End	4787
GI	none	Score	64
Exons	4533..4781, 4593..4787		

Seq. No.	33303	Seq. ID	OJ991208_19.0302.C30
Gene No.	69069	Strand	+
Start	1	End	2590
Name	OJ991208_19.0302.C30.o1.np	Method	AAT/NAP
Start	1	End	2590
GI	4063751	Score	387
Exons	1..35, 273..370, 593..917, 1147..1722, 2519..2590		
GI Descrip.	(AC005851) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	33303	Seq. ID	OJ991208_19.0302.C30
Gene No.	69069	Strand	+
Start	1	End	2590
Name	OJ991208_19.0302.C30.o1.gs	Method	GENSCAN
Start	290	End	1773
GI	none	Score	.73
Exons	290..373, 501..626, 995..1081, 1147..1773		

Seq. No.	33303	Seq. ID	OJ991208_19.0302.C30
Gene No.	69070	Strand	-
Start	2228	End	2523
Name	OJ991208_19.0302.C30.o1.tm	Method	TBLASTX:Maize
Start	289	End	1509

GI	none	Score	103
Exons	289..369, 305..370, 753..914, 786..914, 983..1084, 994..1083, 1141..1509, 1258..1482		

Seq. No.	33303	Seq. ID	OJ991208_19.0302.C30
Gene No.	69070	Strand	-
Start	2228	End	2523
Name	OJ991208_19.0302.C30.o2.tc	Method	TBLASTX:Cress
Start	289	End	914
GI	none	Score	106
Exons	289..372, 305..373, 749..895, 753..914		

Seq. No.	33303	Seq. ID	OJ991208_19.0302.C30
Gene No.	69070	Strand	-
Start	2228	End	2523
Name	OJ991208_19.0302.C30.o2.ts	Method	TBLASTX:Soybean
Start	289	End	1084
GI	none	Score	112
Exons	289..372, 305..376, 753..914, 782..895, 792..896, 983..1084, 1015..1083, 1034..1084		

Seq. No.	33303	Seq. ID	OJ991208_19.0302.C30
Gene No.	69070	Strand	-
Start	2228	End	2523
Name	OJ991208_19.0302.C30.o1.tc	Method	TBLASTX:Cress
Start	1061	End	1743
GI	none	Score	35
Exons	1061..1093, 1141..1611, 1344..1541, 1348..1551, 1618..1743		

Seq. No.	33303	Seq. ID	OJ991208_19.0302.C30
Gene No.	69070	Strand	-
Start	2228	End	2523
Name	OJ991208_19.0302.C30.o1.ts	Method	TBLASTX:Soybean
Start	1141	End	1737
GI	none	Score	493
Exons	1141..1563, 1158..1490, 1573..1737, 1608..1736		

Seq. No.	33303	Seq. ID	OJ991208_19.0302.C30
Gene No.	69070	Strand	-
Start	2228	End	2523
Name	OJ991208_19.0302.C30.o1.tw	Method	TBLASTX:Wheat
Start	1225	End	1641
GI	none	Score	309
Exons	1225..1641, 1344..1541		

Seq. No.	33303	Seq. ID	OJ991208_19.0302.C30
Gene No.	69070	Strand	-
Start	2228	End	2523
Name	OJ991208_19.0302.C30.o2.gs	Method	GENSCAN
Start	2228	End	2523
GI	none	Score	.47
Exons	2228..2523		

Seq. No.	33304	Seq. ID	OJ991208_19.0302.C31
Gene No.	69071	Strand	+
Start	1861	End	2184
Name	OJ991208_19.0302.C31.o1.gs	Method	GENSCAN

Start	1861	End	2184
GI	none	Score	.71
Exons	1861..2026, 2081..2184		

Seq. No.	33305	Seq. ID	OJ991208_19.0302.C32
Gene No.	69072	Strand	+
Start	5064	End	5922
Name	OJ991208_19.0302.C32.o2.gs	Method	GENSCAN
Start	5064	End	5922
GI	none	Score	.49
Exons	5064..5114, 5365..5922		

Seq. No.	33306	Seq. ID	OJ991208_19.0302.C33
Gene No.	69073	Strand	
Start	26	End	427
Name	OJ991208_19.0302.C33.o2.ts	Method	TBLASTX:Soybean
Start	26	End	424
GI	none	Score	86
Exons	26..424, 204..320		

Seq. No.	33306	Seq. ID	OJ991208_19.0302.C33
Gene No.	69073	Strand	
Start	26	End	427
Name	OJ991208_19.0302.C33.o1.tm	Method	TBLASTX:Maize
Start	47	End	427
GI	none	Score	70
Exons	47..271, 269..427		

Seq. No.	33306	Seq. ID	OJ991208_19.0302.C33
Gene No.	69074	Strand	
Start	878	End	1287
Name	OJ991208_19.0302.C33.o1.ts	Method	TBLASTX:Soybean
Start	878	End	1287
GI	none	Score	60
Exons	878..1030, 1045..1128, 1150..1206, 1150..1287, 1154..1285		

Seq. No.	33307	Seq. ID	OJ991208_19.0302.C34
Gene No.	69075	Strand	-
Start	474	End	648
Name	OJ991208_19.0302.C34.o1.gp	Method	AAT/GAP
Start	474	End	648
GI	62345_1.R1084	Score	309
Exons	474..648		
GI Descrip.	'4325324/gb|AAD17333| 4.0e-59 (AF125574) lysyl-tRNA synthetase; LysRS [Arabidopsis thaliana] >gi_6041823_gb_AAF02138.1_AC009918_10 (AC009918) lysyl-tRNA synthetase [Arabidopsis thaliana]'		

Seq. No.	33308	Seq. ID	OJ991208_19.0302.C35
Gene No.	69076	Strand	+
Start	283	End	3747
Name	OJ991208_19.0302.C35.o1.gs	Method	GENSCAN
Start	283	End	3632
GI	none	Score	.54
Exons	283..888, 1294..1474, 1586..2209, 2375..2742, 2828..3182, 3528..3632		

Seq. No.	33308	Seq. ID	OJ991208_19.0302.C35
Gene No.	69076	Strand	+
Start	283	End	3747
Name	OJ991208_19.0302.C35.o1.np	Method	AAT/NAP
Start	2215	End	3747
GI	3645899	Score	751
Exons	2215..3747		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	33308	Seq. ID	OJ991208_19.0302.C35
Gene No.	69076	Strand	+
Start	283	End	3747
Name	OJ991208_19.0302.C35.o1.tw	Method	TBLASTX:Wheat
Start	2825	End	3358
GI	none	Score	234
Exons	2825..3250, 3278..3358		

Seq. No.	33308	Seq. ID	OJ991208_19.0302.C35
Gene No.	69076	Strand	+
Start	283	End	3747
Name	OJ991208_19.0302.C35.o1.tm	Method	TBLASTX:Maize
Start	2867	End	3502
GI	none	Score	83
Exons	2867..2932, 2933..3355, 3082..3354, 3350..3502		

Seq. No.	33308	Seq. ID	OJ991208_19.0302.C35
Gene No.	69076	Strand	+
Start	283	End	3747
Name	OJ991208_19.0302.C35.o1.tc	Method	TBLASTX:Cress
Start	3020	End	3501
GI	none	Score	36
Exons	3020..3049, 3059..3349, 3067..3144, 3137..3232, 3364..3501, 3365..3496		

Seq. No.	33308	Seq. ID	OJ991208_19.0302.C35
Gene No.	69076	Strand	+
Start	283	End	3747
Name	OJ991208_19.0302.C35.o1.ts	Method	TBLASTX:Soybean
Start	3041	End	3502
GI	none	Score	226
Exons	3041..3352, 3061..3345, 3374..3502		

Seq. No.	33309	Seq. ID	OJ991208_19.0302.C37
Gene No.	69077	Strand	+
Start	1	End	110
Name	OJ991208_19.0302.C37.o1.gp	Method	AAT/GAP
Start	1	End	110
GI	15870_2.R1084	Score	172
Exons	1..110		
GI Descrip.	'287403/dbj|D10838|RICSBE1 8.0e-69 Rice gene for starch branching enzyme'		

Seq. No.	33309	Seq. ID	OJ991208_19.0302.C37
Gene No.	69078	Strand	+
Start	3891	End	7202
Name	OJ991208_19.0302.C37.o1.np	Method	AAT/NAP
Start	3482	End	4729

GI	6523547	Score	99
Exons	3482..4013, 4451..4729		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	33309	Seq. ID	OJ991208_19.0302.C37
Gene No.	69078	Strand	+
Start	3891	End	7202
Name	OJ991208_19.0302.C37.o2.gs	Method	GENSCAN
Start	3891	End	7068
GI	none	Score	.8
Exons	3891..4050, 4312..4453, 4518..4783, 4801..4970, 5695..5826, 6811..6881, 6969..7068		

Seq. No.	33309	Seq. ID	OJ991208_19.0302.C37
Gene No.	69078	Strand	+
Start	3891	End	7202
Name	OJ991208_19.0302.C37.o2.np	Method	AAT/NAP
Start	4821	End	7202
GI	6899899	Score	641
Exons	4821..4970, 5695..5826, 6310..6381, 6811..6881, 6969..7068, 7145..7202		
GI Descrip.	(AL138642) putative protein [Arabidopsis thaliana]		

Seq. No.	33309	Seq. ID	OJ991208_19.0302.C37
Gene No.	69079	Strand	-
Start	1767	End	3206
Name	OJ991208_19.0302.C37.o1.gs	Method	GENSCAN
Start	1767	End	3206
GI	none	Score	.7
Exons	1767..1968, 2026..2082, 3130..3206		

Seq. No.	33310	Seq. ID	OJ991208_19.0302.C39
Gene No.	69080	Strand	+
Start	108	End	655
Name	OJ991208_19.0302.C39.o1.gs	Method	GENSCAN
Start	108	End	655
GI	none	Score	.86
Exons	108..329, 410..545, 615..655		

Seq. No.	33311	Seq. ID	OJ991018_05.0301.C1
Gene No.	69081	Strand	+
Start	322	End	2626
Name	OJ991018_05.0301.C1.o1.np	Method	AAT/NAP
Start	322	End	2626
GI	1091678	Score	545
Exons	322..447, 536..1825, 2508..2626		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	33311	Seq. ID	OJ991018_05.0301.C1
Gene No.	69082	Strand	-
Start	2222	End	4581
Name	OJ991018_05.0301.C1.o2.np	Method	AAT/NAP
Start	2222	End	4581
GI	4680199	Score	281
Exons	2222..2259, 3864..3927, 4034..4581		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	33311	Seq. ID	OJ991018_05.0301.C1
Gene No.	69083	Strand	-
Start	6815	End	9821
Name	OJ991018_05.0301.C1.o2.tm	Method	TBLASTX:Maize
Start	391	End	761
GI	none	Score	90
Exons	391..447, 392..448, 398..448,	526..753,	527..760, 534..761

Seq. No.	33311	Seq. ID	OJ991018_05.0301.C1
Gene No.	69083	Strand	-
Start	6815	End	9821
Name	OJ991018_05.0301.C1.o1.ts	Method	TBLASTX:Soybean
Start	704	End	1338
GI	none	Score	156
Exons	704..958, 705..1049, 1066..1338		

Seq. No.	33311	Seq. ID	OJ991018_05.0301.C1
Gene No.	69083	Strand	-
Start	6815	End	9821
Name	OJ991018_05.0301.C1.o1.tw	Method	TBLASTX:Wheat
Start	729	End	1043
GI	none	Score	347
Exons	729..1043, 729..974, 731..991		

Seq. No.	33311	Seq. ID	OJ991018_05.0301.C1
Gene No.	69083	Strand	-
Start	6815	End	9821
Name	OJ991018_05.0301.C1.o1.tm	Method	TBLASTX:Maize
Start	1020	End	1602
GI	none	Score	56
Exons	1020..1064, 1030..1431, 1060..1467, 1062..1484, 1459..1602, 1474..1602		

Seq. No.	33311	Seq. ID	OJ991018_05.0301.C1
Gene No.	69083	Strand	-
Start	6815	End	9821
Name	OJ991018_05.0301.C1.o2.ts	Method	TBLASTX:Soybean
Start	1579	End	1782
GI	none	Score	203
Exons	1579..1782, 1581..1778		

Seq. No.	33311	Seq. ID	OJ991018_05.0301.C1
Gene No.	69083	Strand	-
Start	6815	End	9821
Name	OJ991018_05.0301.C1.o3.tm	Method	TBLASTX:Maize
Start	1603	End	1952
GI	none	Score	278
Exons	1603..1797, 1605..1796, 1893..1952, 1894..1950		

Seq. No.	33311	Seq. ID	OJ991018_05.0301.C1
Gene No.	69083	Strand	-
Start	6815	End	9821
Name	OJ991018_05.0301.C1.o2.gs	Method	GENSCAN
Start	6815	End	9821
GI	none	Score	.83
Exons	6815..7004, 7985..8121, 8394..8466, 8550..8660, 8755..8928,		

9035..9617, 9635..9821

Seq. No.	33311	Seq. ID	OJ991018_05.0301.C1
Gene No.	69083	Strand	-
Start	6815	End	9821
Name	OJ991018_05.0301.C1.o2.tw	Method	TBLASTX:Wheat
Start	8591	End	9108
GI	none	Score	65
Exons	8591..8662, 8760..8942, 8767..8892, 9028..9108		

Seq. No.	33312	Seq. ID	OJ991018_05.0301.C2
Gene No.	69084	Strand	-
Start	1	End	1588
Name	OJ991018_05.0301.C2.o1.np	Method	AAT/NAP
Start	1	End	1588
GI	4680204	Score	702
Exons	1..54, 150..1588		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	33312	Seq. ID	OJ991018_05.0301.C2
Gene No.	69084	Strand	-
Start	1	End	1588
Name	OJ991018_05.0301.C2.o1.tw	Method	TBLASTX:Wheat
Start	542	End	945
GI	none	Score	43
Exons	542..712, 543..617, 702..842, 707..943, 865..945		

Seq. No.	33313	Seq. ID	OJ991018_05.0301.C3
Gene No.	69085	Strand	+
Start	656	End	6710
Name	OJ991018_05.0301.C3.o1.gp	Method	AAT/GAP
Start	656	End	6710
GI	LIB3431-028-P1-N1-A10	Score	735
Exons	656..726, 754..865, 6477..6710		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	33313	Seq. ID	OJ991018_05.0301.C3
Gene No.	69086	Strand	-
Start	719	End	2099
Name	OJ991018_05.0301.C3.o1.gs	Method	GENSCAN
Start	719	End	2099
GI	none	Score	.72
Exons	719..791, 879..1000, 1737..1835, 2043..2099		

Seq. No.	33313	Seq. ID	OJ991018_05.0301.C3
Gene No.	69087	Strand	-
Start	5365	End	6208
Name	OJ991018_05.0301.C3.o2.gs	Method	GENSCAN
Start	5365	End	6208
GI	none	Score	.63
Exons	5365..5856, 6068..6208		

Seq. No.	33313	Seq. ID	OJ991018_05.0301.C3
Gene No.	69088	Strand	-
Start	6818	End	8740
Name	OJ991018_05.0301.C3.o1.tw	Method	TBLASTX:Wheat

Start	794	End	7721
GI	none	Score	129
Exons	794..856, 6485..6565, 6570..6689, 6578..6691, 6579..6692, 6698..6757, 6767..6811, 6769..6810, 6818..7135, 6833..7720, 6834..7721, 6996..7721		

Seq. No.	33313	Seq. ID	OJ991018_05.0301.C3
Gene No.	69088	Strand	-
Start	6818	End	8740
Name	OJ991018_05.0301.C3.o3.gs	Method	GENSCAN
Start	6818	End	8557
GI	none	Score	.73
Exons	6818..8197, 8207..8557		

Seq. No.	33313	Seq. ID	OJ991018_05.0301.C3
Gene No.	69088	Strand	-
Start	6818	End	8740
Name	OJ991018_05.0301.C3.o1.np	Method	AAT/NAP
Start	6888	End	8740
GI	6742729	Score	2921
Exons	6888..8740		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	33313	Seq. ID	OJ991018_05.0301.C3
Gene No.	69088	Strand	-
Start	6818	End	8740
Name	OJ991018_05.0301.C3.o1.tc	Method	TBLASTX:Cress
Start	6986	End	7433
GI	none	Score	94
Exons	6986..7135, 6986..7429, 6990..7433, 6996..7433		

Seq. No.	33313	Seq. ID	OJ991018_05.0301.C3
Gene No.	69088	Strand	-
Start	6818	End	8740
Name	OJ991018_05.0301.C3.o1.tm	Method	TBLASTX:Maize
Start	7364	End	7678
GI	none	Score	130
Exons	7364..7678, 7392..7667		

Seq. No.	33313	Seq. ID	OJ991018_05.0301.C3
Gene No.	69088	Strand	-
Start	6818	End	8740
Name	OJ991018_05.0301.C3.o3.tw	Method	TBLASTX:Wheat
Start	7722	End	8132
GI	none	Score	81
Exons	7722..7808, 7724..7807, 7841..8083, 7881..8063, 8069..8131, 8082..8132		

Seq. No.	33313	Seq. ID	OJ991018_05.0301.C3
Gene No.	69088	Strand	-
Start	6818	End	8740
Name	OJ991018_05.0301.C3.o1.ts	Method	TBLASTX:Soybean
Start	8165	End	8407
GI	none	Score	192
Exons	8165..8407		

Seq. No.	33313	Seq. ID	OJ991018_05.0301.C3

Gene No.	69088	Strand	-
Start	6818	End	8740
Name	OJ991018_05.0301.C3.o2.tm	Method	TBLASTX:Maize
Start	8237	End	8693
GI	none	Score	42
Exons	8237..8431, 8441..8554, 8441..8563, 8562..8681, 8565..8693		

Seq. No.	33313	Seq. ID	OJ991018_05.0301.C3
Gene No.	69088	Strand	-
Start	6818	End	8740
Name	OJ991018_05.0301.C3.o2.tw	Method	TBLASTX:Wheat
Start	8271	End	8738
GI	none	Score	158
Exons	8271..8477, 8271..8480, 8275..8514, 8276..8500, 8478..8561, 8480..8563, 8481..8564, 8580..8681, 8584..8673, 8597..8683, 8683..8730, 8685..8738		

Seq. No.	33314	Seq. ID	OJ991018_05.0301.C4
Gene No.	69089	Strand	+
Start	250	End	3270
Name	OJ991018_05.0301.C4.o2.np	Method	AAT/NAP
Start	250	End	3270
GI	119714	Score	82
Exons	250..379, 2261..2588, 3219..3270		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	33314	Seq. ID	OJ991018_05.0301.C4
Gene No.	69090	Strand	-
Start	1	End	2465
Name	OJ991018_05.0301.C4.o1.gp	Method	AAT/GAP
Start	1	End	686
GI	342_1.R1084	Score	994
Exons	1..686		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	33314	Seq. ID	OJ991018_05.0301.C4
Gene No.	69090	Strand	-
Start	1	End	2465
Name	OJ991018_05.0301.C4.o1.ts	Method	TBLASTX:Soybean
Start	1	End	216
GI	none	Score	95
Exons	1..216, 2..208		

Seq. No.	33314	Seq. ID	OJ991018_05.0301.C4
Gene No.	69090	Strand	-
Start	1	End	2465
Name	OJ991018_05.0301.C4.o1.np	Method	AAT/NAP
Start	1	End	690
GI	4680203	Score	682
Exons	1..690		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33314	Seq. ID	OJ991018_05.0301.C4

Gene No.	69090	Strand	-
Start	1	End	2465
Name	OJ991018_05.0301.C4.o1.tw	Method	TBLASTX:Wheat
Start	2	End	384
GI	none	Score	194
Exons	2..238, 4..249, 5..241, 232..384, 246..365		

Seq. No.	33314	Seq. ID	OJ991018_05.0301.C4
Gene No.	69090	Strand	-
Start	1	End	2465
Name	OJ991018_05.0301.C4.o1.gs	Method	GENSCAN
Start	37	End	2465
GI	none	Score	.84
Exons	37..690, 2256..2465		

Seq. No.	33314	Seq. ID	OJ991018_05.0301.C4
Gene No.	69090	Strand	-
Start	1	End	2465
Name	OJ991018_05.0301.C4.o2.gp	Method	AAT/GAP
Start	551	End	1161
GI	2310235	Score	287
Exons	551..690, 1124..1161		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	33315	Seq. ID	OJ991018_05.0301.C5
Gene No.	69091	Strand	+
Start	154	End	2345
Name	OJ991018_05.0301.C5.o1.gs	Method	GENSCAN
Start	154	End	1917
GI	none	Score	.84
Exons	154..208, 1778..1917		

Seq. No.	33315	Seq. ID	OJ991018_05.0301.C5
Gene No.	69091	Strand	+
Start	154	End	2345
Name	OJ991018_05.0301.C5.o1.gp	Method	AAT/GAP
Start	518	End	2345
GI	none	Score	1372
Exons	518..587, 685..739, 894..951, 1778..2345		

Seq. No.	33316	Seq. ID	OJ991018_05.0301.C6
Gene No.	69092	Strand	+
Start	233	End	323
Name	OJ991018_05.0301.C6.o1.gs	Method	GENSCAN
Start	233	End	323
GI	none	Score	.4
Exons	233..323		

Seq. No.	33317	Seq. ID	OJ991018_05.0301.C7
Gene No.	69093	Strand	+
Start	1627	End	3357
Name	OJ991018_05.0301.C7.o1.np	Method	AAT/NAP
Start	1627	End	3357
GI	4982519	Score	129
Exons	1627..1896, 3333..3357		
GI Descrip.	(AC000107) F17F8.25 [Arabidopsis thaliana]		

Seq. No.	33318	Seq. ID	OJ991018_05.0301.C8
Gene No.	69094	Strand	+
Start	345	End	515
Name	OJ991018_05.0301.C8.o1.gs	Method	GENSCAN
Start	345	End	515
GI	none	Score	.87
Exons	345..515		

Seq. No.	33318	Seq. ID	OJ991018_05.0301.C8
Gene No.	69095	Strand	+
Start	2677	End	6765
Name	OJ991018_05.0301.C8.o2.gs	Method	GENSCAN
Start	2677	End	6765
GI	none	Score	.42
Exons	2677..2679, 3248..3335, 3604..3813, 3847..4024, 4706..4759, 4778..4991, 5665..6352, 6452..6765		

Seq. No.	33318	Seq. ID	OJ991018_05.0301.C8
Gene No.	69095	Strand	+
Start	2677	End	6765
Name	OJ991018_05.0301.C8.o1.np	Method	AAT/NAP
Start	4711	End	6669
GI	4680179	Score	742
Exons	4711..4825, 5711..6669		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33318	Seq. ID	OJ991018_05.0301.C8
Gene No.	69095	Strand	+
Start	2677	End	6765
Name	OJ991018_05.0301.C8.o1.gp	Method	AAT/GAP
Start	4983	End	5126
GI	61605_1.R1084	Score	224
Exons	4983..5126		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	33318	Seq. ID	OJ991018_05.0301.C8
Gene No.	69096	Strand	-
Start	5759	End	6327
Name	OJ991018_05.0301.C8.o2.gp	Method	AAT/GAP
Start	5759	End	6246
GI	uC-osflcyp162a07a1	Score	686
Exons	5759..5986, 6086..6246		
GI Descrip.	'4680179/gb|AAD27547.1|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		

Seq. No.	33318	Seq. ID	OJ991018_05.0301.C8
Gene No.	69096	Strand	-
Start	5759	End	6327
Name	OJ991018_05.0301.C8.o1.tw	Method	TBLASTX:Wheat
Start	5824	End	6183
GI	none	Score	289
Exons	5824..6183, 5835..6005, 6042..6182		

Seq. No.	33318	Seq. ID	OJ991018_05.0301.C8
Gene No.	69096	Strand	-

Start	5759	End	6327
Name	OJ991018_05.0301.C8.o1.tm	Method	TBLASTX:Maize
Start	6067	End	6327
GI	none	Score	211
Exons	6067..6327, 6090..6251		

Seq. No.	33319	Seq. ID	OJ991018_05.0301.C9
Gene No.	69097	Strand	+
Start	1	End	5812
Name	OJ991018_05.0301.C9.o1.np	Method	AAT/NAP
Start	1	End	2061
GI	6063554	Score	340
Exons	1..106, 157..257, 331..551, 1219..1249, 1887..2061		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33319	Seq. ID	OJ991018_05.0301.C9
Gene No.	69097	Strand	+
Start	1	End	5812
Name	OJ991018_05.0301.C9.o2.np	Method	AAT/NAP
Start	1	End	5812
GI	5852180	Score	323
Exons	1..28, 4355..4432, 5443..5812		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	33319	Seq. ID	OJ991018_05.0301.C9
Gene No.	69097	Strand	+
Start	1	End	5812
Name	OJ991018_05.0301.C9.o1.gs	Method	GENSCAN
Start	253	End	758
GI	none	Score	.47
Exons	253..564, 570..758		

Seq. No.	33319	Seq. ID	OJ991018_05.0301.C9
Gene No.	69097	Strand	+
Start	1	End	5812
Name	OJ991018_05.0301.C9.o2.gp	Method	AAT/GAP
Start	3760	End	4073
GI	61605_3.R1084	Score	453
Exons	3760..4073		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	33319	Seq. ID	OJ991018_05.0301.C9
Gene No.	69098	Strand	+
Start	9200	End	9507
Name	OJ991018_05.0301.C9.o5.gp	Method	AAT/GAP
Start	9200	End	9507
GI	3759000	Score	488
Exons	9200..9507		

Seq. No.	33319	Seq. ID	OJ991018_05.0301.C9
Gene No.	69098	Strand	+
Start	9200	End	9507
Name	OJ991018_05.0301.C9.o6.gp	Method	AAT/GAP
Start	9200	End	9507

GI	3759000	Score	490
Exons	9200..9507		

Seq. No.	33319	Seq. ID	OJ991018_05.0301.C9
Gene No.	69099	Strand	+
Start	10584	End	10658
Name	OJ991018_05.0301.C9.o8.gp	Method	AAT/GAP
Start	10584	End	10658
GI	21474_1.R1084	Score	103
Exons	10584..10658		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	33319	Seq. ID	OJ991018_05.0301.C9
Gene No.	69100	Strand	+
Start	10942	End	11044
Name	OJ991018_05.0301.C9.o9.gp	Method	AAT/GAP
Start	10942	End	11044
GI	LIB3477-003-P1-K1-E9	Score	158
Exons	10942..11044		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory_s_1 [Oryza sativa]'		

Seq. No.	33319	Seq. ID	OJ991018_05.0301.C9
Gene No.	69101	Strand	-
Start	2756	End	13657
Name	OJ991018_05.0301.C9.o2.gs	Method	GENSCAN
Start	2756	End	13657
GI	none	Score	.6
Exons	2756..2902, 3014..3220, 4591..4682, 5192..5276, 5498..5671, 5721..5833, 6819..6851, 7379..7541, 8148..8294, 8603..8722, 11379..11468, 11572..11644, 11729..11839, 12214..12922, 13097..13238, 13334..13453, 13499..13657		

Seq. No.	33319	Seq. ID	OJ991018_05.0301.C9
Gene No.	69101	Strand	-
Start	2756	End	13657
Name	OJ991018_05.0301.C9.o3.gp	Method	AAT/GAP
Start	4601	End	5030
GI	2428185	Score	793
Exons	4601..5030		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	33319	Seq. ID	OJ991018_05.0301.C9
Gene No.	69101	Strand	-
Start	2756	End	13657
Name	OJ991018_05.0301.C9.o4.gp	Method	AAT/GAP
Start	5048	End	5782
GI	101153_1.R1084	Score	584
Exons	5048..5276, 5593..5782		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	33319	Seq. ID	OJ991018_05.0301.C9
Gene No.	69101	Strand	-

Start	2756	End	13657
Name	OJ991018_05.0301.C9.o3.np	Method	AAT/NAP
Start	10909	End	11168
GI	862343	Score	160
Exons	10909..11168		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi|1092097|prf||2022314A granule cell marker protein [Mus musculus] gi|1092098|prf||2022315A granule cell marker protein [Mus musculus]		

Seq. No.	33320	Seq. ID	OJ991018_05.0301.C10
Gene No.	69102	Strand	-
Start	1	End	2523
Name	OJ991018_05.0301.C10.o1.np	Method	AAT/NAP
Start	1	End	1065
GI	4680204	Score	603
Exons	1..1065		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	33320	Seq. ID	OJ991018_05.0301.C10
Gene No.	69102	Strand	-
Start	1	End	2523
Name	OJ991018_05.0301.C10.o1.tw	Method	TBLASTX:Wheat
Start	19	End	424
GI	none	Score	43
Exons	19..189, 20..94, 179..424, 184..420		

Seq. No.	33320	Seq. ID	OJ991018_05.0301.C10
Gene No.	69102	Strand	-
Start	1	End	2523
Name	OJ991018_05.0301.C10.o1.gs	Method	GENSCAN
Start	205	End	2523
GI	none	Score	.8
Exons	205..1026, 1701..1737, 2121..2523		

Seq. No.	33321	Seq. ID	OJ991018_05.0301.C11
Gene No.	69103	Strand	+
Start	867	End	917
Name	OJ991018_05.0301.C11.o1.gp	Method	AAT/GAP
Start	867	End	917
GI	LIB3431-028-P1-N1-A10	Score	78
Exons	867..917		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	33321	Seq. ID	OJ991018_05.0301.C11
Gene No.	69104	Strand	+
Start	8747	End	9014
Name	OJ991018_05.0301.C11.o2.gs	Method	GENSCAN
Start	8747	End	9014
GI	none	Score	.75
Exons	8747..9014		

Seq. No.	33321	Seq. ID	OJ991018_05.0301.C11
Gene No.	69105	Strand	-
Start	836	End	8005
Name	OJ991018_05.0301.C11.o1.gs	Method	GENSCAN

Start	836	End	7282
GI	none	Score	.53
Exons	836..1978, 2279..2361, 2763..2791, 4503..4627, 4699..4883, 5688..5990, 6118..6295, 6323..7282		

Seq. No.	33321	Seq. ID	OJ991018_05.0301.C11
Gene No.	69105	Strand	-
Start	836	End	8005
Name	OJ991018_05.0301.C11.o2.tm	Method	TBLASTX:Maize
Start	1217	End	1516
GI	none	Score	75
Exons	1217..1516, 1413..1502		

Seq. No.	33321	Seq. ID	OJ991018_05.0301.C11
Gene No.	69105	Strand	-
Start	836	End	8005
Name	OJ991018_05.0301.C11.o4.tw	Method	TBLASTX:Wheat
Start	1397	End	1756
GI	none	Score	53
Exons	1397..1687, 1397..1756, 1407..1754		

Seq. No.	33321	Seq. ID	OJ991018_05.0301.C11
Gene No.	69105	Strand	-
Start	836	End	8005
Name	OJ991018_05.0301.C11.o2.gp	Method	AAT/GAP
Start	3234	End	3616
GI	uC-osflcyp033a04b1	Score	668
Exons	3234..3616		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	33321	Seq. ID	OJ991018_05.0301.C11
Gene No.	69105	Strand	-
Start	836	End	8005
Name	OJ991018_05.0301.C11.o2.tw	Method	TBLASTX:Wheat
Start	5698	End	6032
GI	none	Score	147
Exons	5698..6030, 5699..5848, 5715..6032, 5716..5928, 5873..6019		

Seq. No.	33321	Seq. ID	OJ991018_05.0301.C11
Gene No.	69105	Strand	-
Start	836	End	8005
Name	OJ991018_05.0301.C11.o1.np	Method	AAT/NAP
Start	6016	End	7513
GI	4680203	Score	1763
Exons	6016..7513		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33321	Seq. ID	OJ991018_05.0301.C11
Gene No.	69105	Strand	-
Start	836	End	8005
Name	OJ991018_05.0301.C11.o4.gp	Method	AAT/GAP
Start	6033	End	7515
GI	342_1.R1084	Score	2372
Exons	6033..7515		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	33321	Seq. ID	OJ991018_05.0301.C11
Gene No.	69105	Strand	-
Start	836	End	8005
Name	OJ991018_05.0301.C11.o2.ts	Method	TBLASTX:Soybean
Start	6041	End	6265
GI	none	Score	205
Exons	6041..6265		

Seq. No.	33321	Seq. ID	OJ991018_05.0301.C11
Gene No.	69105	Strand	-
Start	836	End	8005
Name	OJ991018_05.0301.C11.o1.tm	Method	TBLASTX:Maize
Start	6095	End	6553
GI	none	Score	101
Exons	6095..6289, 6308..6553, 6314..6541		

Seq. No.	33321	Seq. ID	OJ991018_05.0301.C11
Gene No.	69105	Strand	-
Start	836	End	8005
Name	OJ991018_05.0301.C11.o1.tw	Method	TBLASTX:Wheat
Start	6129	End	6598
GI	none	Score	161
Exons	6129..6335, 6129..6338, 6137..6358, 6146..6337, 6336..6428, 6337..6372, 6338..6436, 6339..6431, 6440..6544, 6444..6533, 6545..6598, 6546..6590		

Seq. No.	33321	Seq. ID	OJ991018_05.0301.C11
Gene No.	69105	Strand	-
Start	836	End	8005
Name	OJ991018_05.0301.C11.o1.tc	Method	TBLASTX:Cress
Start	6386	End	6734
GI	none	Score	95
Exons	6386..6730, 6405..6542, 6582..6734		

Seq. No.	33321	Seq. ID	OJ991018_05.0301.C11
Gene No.	69105	Strand	-
Start	836	End	8005
Name	OJ991018_05.0301.C11.o1.ts	Method	TBLASTX:Soybean
Start	6467	End	6896
GI	none	Score	125
Exons	6467..6763, 6485..6709, 6813..6896, 6821..6895		

Seq. No.	33321	Seq. ID	OJ991018_05.0301.C11
Gene No.	69105	Strand	-
Start	836	End	8005
Name	OJ991018_05.0301.C11.o3.tw	Method	TBLASTX:Wheat
Start	6608	End	7105
GI	none	Score	43
Exons	6608..6727, 6669..6716, 6752..6823, 6753..6800, 6809..7105, 6813..7091		

Seq. No.	33321	Seq. ID	OJ991018_05.0301.C11
Gene No.	69105	Strand	-
Start	836	End	8005
Name	OJ991018_05.0301.C11.o5.gp	Method	AAT/GAP
Start	7380	End	8005

GI	2310235	Score	291
Exons	7380..7519, 7968..8005		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	33322	Seq. ID	OJ991018_05.0301.C12
Gene No.	69106	Strand	+
Start	48	End	3272
Name	OJ991018_05.0301.C12.o2.np	Method	AAT/NAP
Start	48	End	3272
GI	5042463	Score	125
Exons	48..69, 2169..2352, 2994..3149, 3202..3272		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	33322	Seq. ID	OJ991018_05.0301.C12
Gene No.	69107	Strand	+
Start	3342	End	4190
Name	OJ991018_05.0301.C12.o2.gs	Method	GENSCAN
Start	3342	End	4190
GI	none	Score	.78
Exons	3342..4190		

Seq. No.	33322	Seq. ID	OJ991018_05.0301.C12
Gene No.	69108	Strand	-
Start	514	End	2331
Name	OJ991018_05.0301.C12.o1.gs	Method	GENSCAN
Start	514	End	2331
GI	none	Score	.45
Exons	514..635, 709..846, 983..1267, 1789..2005, 2261..2331		

Seq. No.	33323	Seq. ID	OJ991018_05.0301.C13
Gene No.	69109	Strand	+
Start	238	End	1275
Name	OJ991018_05.0301.C13.o1.gs	Method	GENSCAN
Start	238	End	1275
GI	none	Score	.45
Exons	238..317, 435..545, 907..1275		

Seq. No.	33323	Seq. ID	OJ991018_05.0301.C13
Gene No.	69109	Strand	+
Start	238	End	1275
Name	OJ991018_05.0301.C13.o2.np	Method	AAT/NAP
Start	752	End	885
GI	1334395	Score	75
Exons	752..885		
GI Descrip.	(X55786) ORF270/2 [Beta vulgaris]		

Seq. No.	33323	Seq. ID	OJ991018_05.0301.C13
Gene No.	69110	Strand	+
Start	3289	End	4413
Name	OJ991018_05.0301.C13.o2.gs	Method	GENSCAN
Start	3289	End	4413
GI	none	Score	.63
Exons	3289..3336, 4000..4268, 4300..4413		

Seq. No.	33323	Seq. ID	OJ991018_05.0301.C13
Gene No.	69111	Strand	-

Start	3989	End	4513
Name	OJ991018_05.0301.C13.o3.np	Method	AAT/NAP
Start	3989	End	4513
GI	5852179	Score	236
Exons	3989..4220, 4294..4513		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	33324	Seq. ID	OJ991018_05.0301.C14
Gene No.	69112	Strand	+
Start	1	End	143
Name	OJ991018_05.0301.C14.o1.np	Method	AAT/NAP
Start	1	End	143
GI	5852178	Score	117
Exons	1..143		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	33324	Seq. ID	OJ991018_05.0301.C14
Gene No.	69113	Strand	+
Start	612	End	794
Name	OJ991018_05.0301.C14.o1.gs	Method	GENSCAN
Start	612	End	794
GI	none	Score	.53
Exons	612..794		

Seq. No.	33324	Seq. ID	OJ991018_05.0301.C14
Gene No.	69114	Strand	+
Start	1055	End	3794
Name	OJ991018_05.0301.C14.o2.gs	Method	GENSCAN
Start	1055	End	3794
GI	none	Score	.63
Exons	1055..1129, 1147..1260, 1306..1330, 1647..1678, 2459..2728, 3693..3794		

Seq. No.	33324	Seq. ID	OJ991018_05.0301.C14
Gene No.	69115	Strand	+
Start	4860	End	10432
Name	OJ991018_05.0301.C14.o3.gs	Method	GENSCAN
Start	4860	End	10224
GI	none	Score	.74
Exons	4860..4880, 5862..6578, 6941..7113, 7357..7711, 7754..8033, 8288..8961, 8986..10224		

Seq. No.	33324	Seq. ID	OJ991018_05.0301.C14
Gene No.	69115	Strand	+
Start	4860	End	10432
Name	OJ991018_05.0301.C14.o2.np	Method	AAT/NAP
Start	6895	End	10432
GI	4680179	Score	3965
Exons	6895..7948, 7976..10432		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33324	Seq. ID	OJ991018_05.0301.C14
Gene No.	69115	Strand	+
Start	4860	End	10432
Name	OJ991018_05.0301.C14.o5.tm	Method	TBLASTX:Maize
Start	7349	End	7687
GI	none	Score	238

Exons	7349..7687		
Seq. No.	33324	Seq. ID	OJ991018_05.0301.C14
Gene No.	69115	Strand	+
Start	4860	End	10432
Name	OJ991018_05.0301.C14.o5.tw	Method	TBLASTX:Wheat
Start	7349	End	7699
GI	none	Score	282
Exons	7349..7699, 7439..7594, 7470..7595		
Seq. No.	33324	Seq. ID	OJ991018_05.0301.C14
Gene No.	69115	Strand	+
Start	4860	End	10432
Name	OJ991018_05.0301.C14.o6.tw	Method	TBLASTX:Wheat
Start	8033	End	8385
GI	none	Score	178
Exons	8033..8278, 8281..8385		
Seq. No.	33324	Seq. ID	OJ991018_05.0301.C14
Gene No.	69115	Strand	+
Start	4860	End	10432
Name	OJ991018_05.0301.C14.o6.tm	Method	TBLASTX:Maize
Start	8419	End	8582
GI	none	Score	182
Exons	8419..8580, 8427..8582		
Seq. No.	33324	Seq. ID	OJ991018_05.0301.C14
Gene No.	69115	Strand	+
Start	4860	End	10432
Name	OJ991018_05.0301.C14.o3.tw	Method	TBLASTX:Wheat
Start	8517	End	8997
GI	none	Score	484
Exons	8517..8819, 8518..8997, 8587..8997		
Seq. No.	33324	Seq. ID	OJ991018_05.0301.C14
Gene No.	69115	Strand	+
Start	4860	End	10432
Name	OJ991018_05.0301.C14.o3.tm	Method	TBLASTX:Maize
Start	8583	End	9054
GI	none	Score	341
Exons	8583..8816, 8587..9054, 8659..9021		
Seq. No.	33324	Seq. ID	OJ991018_05.0301.C14
Gene No.	69115	Strand	+
Start	4860	End	10432
Name	OJ991018_05.0301.C14.o1.ts	Method	TBLASTX:Soybean
Start	8941	End	9336
GI	none	Score	51
Exons	8941..8973, 8944..8973, 8976..9020, 8977..9336, 9084..9230		
Seq. No.	33324	Seq. ID	OJ991018_05.0301.C14
Gene No.	69115	Strand	+
Start	4860	End	10432
Name	OJ991018_05.0301.C14.o4.tw	Method	TBLASTX:Wheat
Start	9049	End	9351
GI	none	Score	379
Exons	9049..9318, 9052..9351, 9093..9350		

Seq. No.	33324	Seq. ID	OJ991018_05.0301.C14
Gene No.	69115	Strand	+
Start	4860	End	10432
Name	OJ991018_05.0301.C14.o4.tm	Method	TBLASTX:Maize
Start	9070	End	9417
GI	none	Score	293
Exons	9070..9417		

Seq. No.	33324	Seq. ID	OJ991018_05.0301.C14
Gene No.	69115	Strand	+
Start	4860	End	10432
Name	OJ991018_05.0301.C14.o1.tw	Method	TBLASTX:Wheat
Start	9352	End	9777
GI	none	Score	590
Exons	9352..9777, 9354..9770, 9469..9777		

Seq. No.	33324	Seq. ID	OJ991018_05.0301.C14
Gene No.	69115	Strand	+
Start	4860	End	10432
Name	OJ991018_05.0301.C14.o3.ts	Method	TBLASTX:Soybean
Start	9358	End	9606
GI	none	Score	204
Exons	9358..9606, 9387..9488		

Seq. No.	33324	Seq. ID	OJ991018_05.0301.C14
Gene No.	69115	Strand	+
Start	4860	End	10432
Name	OJ991018_05.0301.C14.o1.tm	Method	TBLASTX:Maize
Start	9424	End	9777
GI	none	Score	467
Exons	9424..9777, 9429..9770		

Seq. No.	33324	Seq. ID	OJ991018_05.0301.C14
Gene No.	69115	Strand	+
Start	4860	End	10432
Name	OJ991018_05.0301.C14.o2.tw	Method	TBLASTX:Wheat
Start	9805	End	10344
GI	none	Score	589
Exons	9805..10344, 9846..10343		

Seq. No.	33324	Seq. ID	OJ991018_05.0301.C14
Gene No.	69115	Strand	+
Start	4860	End	10432
Name	OJ991018_05.0301.C14.o2.ts	Method	TBLASTX:Soybean
Start	10132	End	10392
GI	none	Score	281
Exons	10132..10392, 10135..10383, 10137..10391		

Seq. No.	33324	Seq. ID	OJ991018_05.0301.C14
Gene No.	69115	Strand	+
Start	4860	End	10432
Name	OJ991018_05.0301.C14.o2.tm	Method	TBLASTX:Maize
Start	10153	End	10410
GI	none	Score	361
Exons	10153..10380, 10156..10410, 10158..10391		

Seq. No.	33325	Seq. ID	OJ991018_05.0301.C15
Gene No.	69116	Strand	-
Start	1209	End	1940
Name	OJ991018_05.0301.C15.o1.np	Method	AAT/NAP
Start	1209	End	1940
GI	2443320	Score	1128
Exons	1209..1940		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	33325	Seq. ID	OJ991018_05.0301.C15
Gene No.	69116	Strand	-
Start	1209	End	1940
Name	OJ991018_05.0301.C15.o1.tw	Method	TBLASTX:Wheat
Start	1248	End	1736
GI	none	Score	408
Exons	1248..1736, 1249..1731, 1514..1735		

Seq. No.	33325	Seq. ID	OJ991018_05.0301.C15
Gene No.	69116	Strand	-
Start	1209	End	1940
Name	OJ991018_05.0301.C15.o1.tm	Method	TBLASTX:Maize
Start	1260	End	1847
GI	none	Score	192
Exons	1260..1436, 1473..1847		

Seq. No.	33325	Seq. ID	OJ991018_05.0301.C15
Gene No.	69116	Strand	-
Start	1209	End	1940
Name	OJ991018_05.0301.C15.o1.ts	Method	TBLASTX:Soybean
Start	1344	End	1838
GI	none	Score	215
Exons	1344..1448, 1476..1838		

Seq. No.	33325	Seq. ID	OJ991018_05.0301.C15
Gene No.	69116	Strand	-
Start	1209	End	1940
Name	OJ991018_05.0301.C15.o1.gs	Method	GENSCAN
Start	1596	End	1895
GI	none	Score	.43
Exons	1596..1895		

Seq. No.	33325	Seq. ID	OJ991018_05.0301.C15
Gene No.	69116	Strand	-
Start	1209	End	1940
Name	OJ991018_05.0301.C15.o2.tw	Method	TBLASTX:Wheat
Start	1737	End	1940
GI	none	Score	122
Exons	1737..1940, 1747..1935		

Seq. No.	33326	Seq. ID	OJ991018_05.0301.C16
Gene No.	69117	Strand	+
Start	1	End	686
Name	OJ991018_05.0301.C16.o1.np	Method	AAT/NAP
Start	1	End	686
GI	6721515	Score	264
Exons	1..42, 150..505, 581..686		
GI Descrip.	(AP001072) Similar to mudrA. (M76978) [Oryza sativa]		

Seq. No.	33326	Seq. ID	OJ991018_05.0301.C16
Gene No.	69118	Strand	+
Start	11992	End	16251
Name	OJ991018_05.0301.C16.o2.gs	Method	GENSCAN
Start	11992	End	16251
GI	none	Score	.58
Exons	11992..12120, 13199..13283, 13730..14404, 14471..14556, 14899..15210, 15282..15323, 15472..15621, 15937..16251		

Seq. No.	33326	Seq. ID	OJ991018_05.0301.C16
Gene No.	69119	Strand	-
Start	203	End	11420
Name	OJ991018_05.0301.C16.o1.gs	Method	GENSCAN
Start	203	End	11420
GI	none	Score	.42
Exons	203..308, 811..888, 2196..2321, 2989..3093, 3755..3802, 3927..3966, 4557..4730, 7296..7449, 7503..7742, 10764..10964, 11205..11420		

Seq. No.	33326	Seq. ID	OJ991018_05.0301.C16
Gene No.	69119	Strand	-
Start	203	End	11420
Name	OJ991018_05.0301.C16.o2.np	Method	AAT/NAP
Start	3846	End	4048
GI	6721516	Score	60
Exons	3846..4048		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	33326	Seq. ID	OJ991018_05.0301.C16
Gene No.	69119	Strand	-
Start	203	End	11420
Name	OJ991018_05.0301.C16.o1.gp	Method	AAT/GAP
Start	8793	End	9244
GI	uC-osflm202109f08b1	Score	332
Exons	8793..8862, 8961..9035, 9169..9244		
GI Descrip.	'1946300/emb|CAA73132| 3.0e-56 (Y12529) hypothetical protein [Silene latifolia]'		

Seq. No.	33326	Seq. ID	OJ991018_05.0301.C16
Gene No.	69120	Strand	-
Start	16768	End	23801
Name	OJ991018_05.0301.C16.o3.tm	Method	TBLASTX:Maize
Start	213	End	659
GI	none	Score	171
Exons	213..377, 219..377, 369..470, 410..469, 469..498, 591..659		

Seq. No.	33326	Seq. ID	OJ991018_05.0301.C16
Gene No.	69120	Strand	-
Start	16768	End	23801
Name	OJ991018_05.0301.C16.o3.ts	Method	TBLASTX:Soybean
Start	16738	End	17037
GI	none	Score	38
Exons	16738..16950, 16766..16795, 16768..16797, 16835..16948, 16840..16950, 16965..17027, 16966..17037, 16968..17036		

Seq. No.	33326	Seq. ID	OJ991018_05.0301.C16

Gene No.	69120	Strand	-
Start	16768	End	23801
Name	OJ991018_05.0301.C16.o3.np	Method	AAT/NAP
Start	16768	End	23801
GI	4544372	Score	1044
Exons	16768..16925, 16961..18334, 18440..18853, 19354..20388, 23755..23801		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	33326	Seq. ID	OJ991018_05.0301.C16
Gene No.	69120	Strand	-
Start	16768	End	23801
Name	OJ991018_05.0301.C16.o5.tm	Method	TBLASTX:Maize
Start	17385	End	17759
GI	none	Score	71
Exons	17385..17603, 17601..17759		

Seq. No.	33326	Seq. ID	OJ991018_05.0301.C16
Gene No.	69120	Strand	-
Start	16768	End	23801
Name	OJ991018_05.0301.C16.o2.ts	Method	TBLASTX:Soybean
Start	17448	End	17756
GI	none	Score	239
Exons	17448..17756		

Seq. No.	33326	Seq. ID	OJ991018_05.0301.C16
Gene No.	69120	Strand	-
Start	16768	End	23801
Name	OJ991018_05.0301.C16.o2.tw	Method	TBLASTX:Wheat
Start	18176	End	18574
GI	none	Score	82
Exons	18176..18445, 18485..18574		

Seq. No.	33326	Seq. ID	OJ991018_05.0301.C16
Gene No.	69120	Strand	-
Start	16768	End	23801
Name	OJ991018_05.0301.C16.o1.ts	Method	TBLASTX:Soybean
Start	18209	End	18620
GI	none	Score	90
Exons	18209..18460, 18294..18461, 18468..18620, 18482..18619		

Seq. No.	33326	Seq. ID	OJ991018_05.0301.C16
Gene No.	69120	Strand	-
Start	16768	End	23801
Name	OJ991018_05.0301.C16.o1.tm	Method	TBLASTX:Maize
Start	19366	End	19826
GI	none	Score	68
Exons	19366..19455, 19366..19461, 19407..19826, 19462..19518, 19521..19826		

Seq. No.	33326	Seq. ID	OJ991018_05.0301.C16
Gene No.	69120	Strand	-
Start	16768	End	23801
Name	OJ991018_05.0301.C16.o4.ts	Method	TBLASTX:Soybean
Start	19521	End	19751
GI	none	Score	197

Exons	19521..19751		
Seq. No.	33326	Seq. ID	OJ991018_05.0301.C16
Gene No.	69120	Strand	-
Start	16768	End	23801
Name	OJ991018_05.0301.C16.o1.tw	Method	TBLASTX:Wheat
Start	19694	End	20099
GI	none	Score	168
Exons	19694..20041, 19695..20048, 19710..20039, 19738..20040, 20043..20099		
Seq. No.	33326	Seq. ID	OJ991018_05.0301.C16
Gene No.	69120	Strand	-
Start	16768	End	23801
Name	OJ991018_05.0301.C16.o2.tm	Method	TBLASTX:Maize
Start	19827	End	20045
GI	none	Score	211
Exons	19827..20045, 19828..20040		
Seq. No.	33326	Seq. ID	OJ991018_05.0301.C16
Gene No.	69120	Strand	-
Start	16768	End	23801
Name	OJ991018_05.0301.C16.o5.ts	Method	TBLASTX:Soybean
Start	19896	End	20261
GI	none	Score	124
Exons	19896..20030, 20037..20261		
Seq. No.	33326	Seq. ID	OJ991018_05.0301.C16
Gene No.	69120	Strand	-
Start	16768	End	23801
Name	OJ991018_05.0301.C16.o4.np	Method	AAT/NAP
Start	21522	End	21709
GI	6063554	Score	153
Exons	21522..21709		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	33326	Seq. ID	OJ991018_05.0301.C16
Gene No.	69121	Strand	
Start	24353	End	24721
Name	OJ991018_05.0301.C16.o4.tm	Method	TBLASTX:Maize
Start	24353	End	24721
GI	none	Score	140
Exons	24353..24478, 24370..24477, 24503..24721		
Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69122	Strand	+
Start	13	End	5948
Name	OJ991018_05.0301.C17.o1.gs	Method	GENSCAN
Start	13	End	5948
GI	none	Score	.56
Exons	13..894, 953..1132, 1530..1704, 1717..1842, 2055..2277, 2353..3967, 4052..4316, 4537..4680, 5908..5948		
Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69122	Strand	+

Start	13	End	5948
Name	OJ991018_05.0301.C17.o1.np	Method	AAT/NAP
Start	1193	End	4453
GI	5902445	Score	1418
Exons	1193..3045, 3205..4453		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69122	Strand	+
Start	13	End	5948
Name	OJ991018_05.0301.C17.o1.gp	Method	AAT/GAP
Start	1805	End	2520
GI	5455576	Score	1166
Exons	1805..2520		
GI Descrip.	4544372/gb|AAD22283.1|AC006920_7 6.0e-26 (AC006920) putative reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o8.ts	Method	TBLASTX:Soybean
Start	334	End	696
GI	none	Score	199
Exons	334..696		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o3.tw	Method	TBLASTX:Wheat
Start	1340	End	1750
GI	none	Score	309
Exons	1340..1600, 1357..1542, 1535..1681, 1542..1748, 1550..1750, 1551..1697, 1651..1749		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o10.tm	Method	TBLASTX:Maize
Start	1400	End	1616
GI	none	Score	188
Exons	1400..1603, 1402..1542, 1535..1615, 1542..1616		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o4.tm	Method	TBLASTX:Maize
Start	1617	End	2077
GI	none	Score	519
Exons	1617..2015, 1617..2009, 1769..2014, 2009..2077, 2011..2076		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o4.ts	Method	TBLASTX:Soybean
Start	1763	End	2232
GI	none	Score	212
Exons	1763..2002, 1764..2009, 2045..2230, 2086..2232		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o4.tw	Method	TBLASTX:Wheat
Start	1767	End	2146
GI	none	Score	183
Exons	1767..2033, 1821..1979, 2045..2146, 2047..2142		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o3.ts	Method	TBLASTX:Soybean
Start	2383	End	2800
GI	none	Score	186
Exons	2383..2499, 2384..2521, 2384..2521, 2557..2643, 2558..2800, 2683..2796		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o5.tw	Method	TBLASTX:Wheat
Start	2429	End	2863
GI	none	Score	82
Exons	2429..2518, 2572..2646, 2573..2863, 2677..2778		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o8.tm	Method	TBLASTX:Maize
Start	3269	End	3622
GI	none	Score	216
Exons	3269..3622		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o7.ts	Method	TBLASTX:Soybean
Start	3476	End	3871
GI	none	Score	243
Exons	3476..3871, 3509..3691, 3577..3771		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o1.tw	Method	TBLASTX:Wheat
Start	3779	End	9820
GI	none	Score	69
Exons	3779..3949, 9249..9398, 9250..9399, 9252..9413, 9396..9536, 9401..9532, 9484..9558, 9534..9560, 9534..9560, 9572..9820, 9591..9818		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o2.tm	Method	TBLASTX:Maize
Start	3779	End	9584

GI	none	Score	121
Exons	3779..3949, 8918..9358, 8922..9398, 8935..9399, 9371..9511, 9510..9584, 9512..9583, 9513..9584		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o6.tw	Method	TBLASTX:Wheat
Start	4031	End	4438
GI	none	Score	193
Exons	4031..4438		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o6.ts	Method	TBLASTX:Soybean
Start	4214	End	4500
GI	none	Score	244
Exons	4214..4459, 4258..4344, 4420..4500		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o1.tm	Method	TBLASTX:Maize
Start	6914	End	7590
GI	none	Score	74
Exons	6914..7027, 6920..7045, 6981..7046, 7042..7590, 7045..7209, 7058..7582		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o2.np	Method	AAT/NAP
Start	6917	End	10231
GI	3645899	Score	3881
Exons	6917..8671, 8780..10231		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o1.tc	Method	TBLASTX:Cress
Start	6935	End	7392
GI	none	Score	63
Exons	6935..7045, 7057..7146, 7165..7299, 7303..7392		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o2.gs	Method	GENSCAN
Start	7021	End	11497
GI	none	Score	.49
Exons	7021..7404, 7585..7701, 7703..8135, 8255..8434, 8539..9427, 10069..10225, 10567..10718, 10768..11497		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-

Start	7021	End	11521
Name	OJ991018_05.0301.C17.o2.ts	Method	TBLASTX:Soybean
Start	7054	End	7572
GI	none	Score	50
Exons	7054..7149, 7057..7164, 7174..7572, 7184..7363		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o7.tw	Method	TBLASTX:Wheat
Start	7357	End	7761
GI	none	Score	82
Exons	7357..7593, 7609..7761		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o7.tm	Method	TBLASTX:Maize
Start	7591	End	7775
GI	none	Score	166
Exons	7591..7761, 7592..7759, 7599..7775, 7613..7774		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o3.tm	Method	TBLASTX:Maize
Start	7817	End	8283
GI	none	Score	418
Exons	7817..8224, 7818..8225, 7818..8234, 7942..8244, 8210..8281, 8212..8283		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o1.ts	Method	TBLASTX:Soybean
Start	7944	End	8550
GI	5509260	Score	179
Exons	7944..8210, 7944..8177, 7946..8224, 8212..8325, 8222..8326, 8320..8550, 8332..8550		
GI Descrip.	-		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o2.tw	Method	TBLASTX:Wheat
Start	7958	End	8425
GI	none	Score	156
Exons	7958..8224, 7971..8210, 8210..8302, 8212..8304, 8303..8353, 8305..8334, 8335..8409, 8336..8425		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o6.tm	Method	TBLASTX:Maize
Start	8284	End	8590
GI	none	Score	271
Exons	8284..8568, 8285..8590, 8286..8579		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o5.ts	Method	TBLASTX:Soybean
Start	8943	End	9389
GI	none	Score	40
Exons	8943..9044, 9093..9389, 9100..9168, 9199..9384		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o5.tm	Method	TBLASTX:Maize
Start	9584	End	9979
GI	none	Score	236
Exons	9584..9862, 9585..9863, 9860..9979, 9864..9977		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o9.tm	Method	TBLASTX:Maize
Start	9981	End	10330
GI	none	Score	158
Exons	9981..10271, 10055..10261, 10150..10266, 10277..10330, 10277..10327		

Seq. No.	33327	Seq. ID	OJ991018_05.0301.C17
Gene No.	69123	Strand	-
Start	7021	End	11521
Name	OJ991018_05.0301.C17.o3.np	Method	AAT/NAP
Start	10241	End	11521
GI	4416301	Score	88
Exons	10241..10405, 11410..11521		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	33328	Seq. ID	OJ991018_05.0301.C19
Gene No.	69124	Strand	+
Start	191	End	720
Name	OJ991018_05.0301.C19.o1.np	Method	AAT/NAP
Start	191	End	720
GI	5922620	Score	154
Exons	191..450, 548..720		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33329	Seq. ID	OJ991018_05.0301.C20
Gene No.	69125	Strand	+
Start	109	End	550
Name	OJ991018_05.0301.C20.o1.gs	Method	GENSCAN
Start	109	End	459
GI	none	Score	.51
Exons	109..292, 297..459		

Seq. No.	33329	Seq. ID	OJ991018_05.0301.C20

Gene No.	69125	Strand	+
Start	109	End	550
Name	OJ991018_05.0301.C20.o1.np	Method	AAT/NAP
Start	299	End	550
GI	6721515	Score	148
Exons	299..550		
GI Descrip.	(AP001072) Similar to mudrA. (M76978) [Oryza sativa]		

Seq. No.	33330	Seq. ID	OJ000251_51.0217.C2
Gene No.	69126	Strand	-
Start	94	End	485
Name	OJ000251_51.0217.C2.o1.tm	Method	TBLASTX:Maize
Start	72	End	484
GI	none	Score	147
Exons	72..239, 77..340, 84..356, 85..483, 91..480, 149..484		

Seq. No.	33330	Seq. ID	OJ000251_51.0217.C2
Gene No.	69126	Strand	-
Start	94	End	485
Name	OJ000251_51.0217.C2.o1.gs	Method	GENSCAN
Start	94	End	429
GI	none	Score	.86
Exons	94..192, 247..429		

Seq. No.	33330	Seq. ID	OJ000251_51.0217.C2
Gene No.	69126	Strand	-
Start	94	End	485
Name	OJ000251_51.0217.C2.o1.np	Method	AAT/NAP
Start	97	End	485
GI	6706427	Score	477
Exons	97..485		
GI Descrip.	(AL133248) acetylglutamate kinase-like protein [Arabidopsis thaliana]		

Seq. No.	33330	Seq. ID	OJ000251_51.0217.C2
Gene No.	69126	Strand	-
Start	94	End	485
Name	OJ000251_51.0217.C2.o1.ts	Method	TBLASTX:Soybean
Start	106	End	480
GI	none	Score	318
Exons	106..480, 149..463		

Seq. No.	33331	Seq. ID	OJ000251_51.0217.C3
Gene No.	69127	Strand	+
Start	3547	End	6076
Name	OJ000251_51.0217.C3.o2.gp	Method	AAT/GAP
Start	3547	End	5693
GI	none	Score	1037
Exons	3547..4041, 5644..5693		

Seq. No.	33331	Seq. ID	OJ000251_51.0217.C3
Gene No.	69127	Strand	+
Start	3547	End	6076
Name	OJ000251_51.0217.C3.o2.np	Method	AAT/NAP
Start	3919	End	6076
GI	4895254	Score	144
Exons	3919..4038, 5644..5805, 5883..5943, 6022..6076		

GI Descrip. (AC007659) hypothetical protein [Arabidopsis thaliana]

Seq. No.	33331	Seq. ID	OJ000251_51.0217.C3
Gene No.	69128	Strand	-
Start	1	End	3988
Name	OJ000251_51.0217.C3.o1.gp	Method	AAT/GAP
Start	1	End	211
GI	uC-osflcyp019h08b1	Score	406
Exons	1..211		
GI Descrip.	'4895251/gb|AAD32836.1|AC007659_18 7.0e-33 (AC007659) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	33331	Seq. ID	OJ000251_51.0217.C3
Gene No.	69128	Strand	-
Start	1	End	3988
Name	OJ000251_51.0217.C3.o1.np	Method	AAT/NAP
Start	1	End	3988
GI	81286	Score	122
Exons	1..206, 3739..3988		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	33332	Seq. ID	OJ000251_51.0217.C4
Gene No.	69129	Strand	+
Start	27	End	4359
Name	OJ000251_51.0217.C4.o1.gp	Method	AAT/GAP
Start	27	End	425
GI	none	Score	460
Exons	27..150, 289..425		

Seq. No.	33332	Seq. ID	OJ000251_51.0217.C4
Gene No.	69129	Strand	+
Start	27	End	4359
Name	OJ000251_51.0217.C4.o1.gs	Method	GENSCAN
Start	67	End	4031
GI	none	Score	.87
Exons	67..150, 289..408, 512..758, 787..947, 1228..1304, 1564..1758, 1876..1948, 2046..2132, 2948..3085, 3165..3367, 3447..3612, 3957..4031		

Seq. No.	33332	Seq. ID	OJ000251_51.0217.C4
Gene No.	69129	Strand	+
Start	27	End	4359
Name	OJ000251_51.0217.C4.o1.np	Method	AAT/NAP
Start	385	End	3876
GI	4895255	Score	934
Exons	385..446, 508..698, 787..947, 1039..1110, 1228..1304, 1564..1758, 1876..1948, 2046..2132, 2948..3085, 3165..3367, 3447..3612, 3748..3876		
GI Descrip.	(AC007659) unknown protein [Arabidopsis thaliana]		

Seq. No.	33332	Seq. ID	OJ000251_51.0217.C4
Gene No.	69129	Strand	+
Start	27	End	4359
Name	OJ000251_51.0217.C4.o2.gp	Method	AAT/GAP
Start	3127	End	4359
GI	4677_1.R1084	Score	1847

Exons	3127..3367, 3447..3612, 3748..4359		
GI Descrip.	'2344889 1.0e-45 (AC002388) unknown protein [Arabidopsis thaliana] >gi_4895255_gb_AAD32840.1_AC007659_22 (AC007659) unknown protein [Arabidopsis thaliana]'		
Seq. No.	33332	Seq. ID	OJ000251_51.0217.C4
Gene No.	69130	Strand	+
Start	7469	End	12968
Name	OJ000251_51.0217.C4.o3.gs	Method	GENSCAN
Start	7469	End	12968
GI	none	Score	.77
Exons	7469..7566, 8203..8329, 8567..8647, 9022..9174, 9258..9407, 12209..12305, 12766..12968		
Seq. No.	33332	Seq. ID	OJ000251_51.0217.C4
Gene No.	69131	Strand	-
Start	4406	End	6977
Name	OJ000251_51.0217.C4.o2.gs	Method	GENSCAN
Start	4406	End	6977
GI	none	Score	.63
Exons	4406..4481, 4705..4832, 5278..5430, 5637..5771, 5875..6050, 6776..6977		
Seq. No.	33332	Seq. ID	OJ000251_51.0217.C4
Gene No.	69132	Strand	-
Start	13228	End	14802
Name	OJ000251_51.0217.C4.o4.gs	Method	GENSCAN
Start	13228	End	14802
GI	none	Score	.56
Exons	13228..13549, 14243..14452, 14459..14656, 14717..14802		
Seq. No.	33332	Seq. ID	OJ000251_51.0217.C4
Gene No.	69133	Strand	-
Start	15251	End	17313
Name	OJ000251_51.0217.C4.o1.tm	Method	TBLASTX:Maize
Start	509	End	3589
GI	none	Score	238
Exons	509..700, 510..698, 533..700, 786..947, 786..953, 787..948, 1035..1112, 1037..1111, 1039..1113, 1228..1305, 1233..1304, 1557..1742, 1562..1759, 1571..1753, 1861..1914, 1874..1948, 1895..1948, 1896..1955, 2062..2130, 2077..2130, 2945..3088, 2946..3065, 2950..3081, 3151..3369, 3155..3385, 3156..3368, 3175..3369, 3429..3587, 3439..3588, 3446..3589, 3446..3589		
Seq. No.	33332	Seq. ID	OJ000251_51.0217.C4
Gene No.	69133	Strand	-
Start	15251	End	17313
Name	OJ000251_51.0217.C4.o3.tc	Method	TBLASTX:Cress
Start	750	End	1809
GI	none	Score	132
Exons	750..947, 815..952, 1228..1305, 1228..1308, 1540..1809, 1562..1759		
Seq. No.	33332	Seq. ID	OJ000251 51.0217.C4
Gene No.	69133	Strand	-
Start	15251	End	17313
Name	OJ000251_51.0217.C4.o2.ts	Method	TBLASTX:Soybean

Start	3156	End	3819
GI	none	Score	138
Exons	3156..3368, 3162..3368, 3429..3614, 3445..3615, 3745..3819, 3747..3815		

Seq. No.	33332	Seq. ID	OJ000251_51.0217.C4
Gene No.	69133	Strand	-
Start	15251	End	17313
Name	OJ000251_51.0217.C4.o2.tc	Method	TBLASTX:Cress
Start	3432	End	3880
GI	none	Score	148
Exons	3432..3614, 3445..3615, 3737..3781, 3738..3878, 3745..3879, 3746..3880, 3747..3878		

Seq. No.	33332	Seq. ID	OJ000251_51.0217.C4
Gene No.	69133	Strand	-
Start	15251	End	17313
Name	OJ000251_51.0217.C4.o3.tm	Method	TBLASTX:Maize
Start	3592	End	4326
GI	none	Score	47
Exons	3592..3615, 3739..3879, 3747..3878, 4248..4277, 4285..4326		

Seq. No.	33332	Seq. ID	OJ000251_51.0217.C4
Gene No.	69133	Strand	-
Start	15251	End	17313
Name	OJ000251_51.0217.C4.o5.gs	Method	GENSCAN
Start	15251	End	17313
GI	none	Score	.57
Exons	15251..15554, 15571..15836, 17308..17313		

Seq. No.	33332	Seq. ID	OJ000251_51.0217.C4
Gene No.	69133	Strand	-
Start	15251	End	17313
Name	OJ000251_51.0217.C4.o2.np	Method	AAT/NAP
Start	15410	End	15965
GI	4895256	Score	319
Exons	15410..15965		
GI Descrip.	(AC007659) putative AP2 domain transcription factor [Arabidopsis thaliana]		

Seq. No.	33332	Seq. ID	OJ000251_51.0217.C4
Gene No.	69133	Strand	-
Start	15251	End	17313
Name	OJ000251_51.0217.C4.o1.tc	Method	TBLASTX:Cress
Start	15431	End	15686
GI	none	Score	53
Exons	15431..15538, 15438..15518, 15550..15651, 15552..15686, 15553..15672		

Seq. No.	33332	Seq. ID	OJ000251_51.0217.C4
Gene No.	69133	Strand	-
Start	15251	End	17313
Name	OJ000251_51.0217.C4.o1.ts	Method	TBLASTX:Soybean
Start	15431	End	15695
GI	none	Score	74
Exons	15431..15538, 15435..15518, 15515..15550, 15552..15695, 15553..15666		

Seq. No.	33332	Seq. ID	OJ000251_51.0217.C4
Gene No.	69133	Strand	-
Start	15251	End	17313
Name	OJ000251_51.0217.C4.o2.tm	Method	TBLASTX:Maize
Start	15506	End	15707
GI	none	Score	51
Exons	15506..15538, 15512..15550, 15550..15660, 15552..15707, 15553..15678		

Seq. No.	33333	Seq. ID	OJ000251_51.0217.C5
Gene No.	69134	Strand	+
Start	3971	End	8908
Name	OJ000251_51.0217.C5.o2.gs	Method	GENSCAN
Start	3971	End	8908
GI	none	Score	.49
Exons	3971..4031, 7842..8055, 8731..8908		

Seq. No.	33334	Seq. ID	OJ000251_51.0217.C6
Gene No.	69135	Strand	+
Start	292	End	3678
Name	OJ000251_51.0217.C6.o1.gs	Method	GENSCAN
Start	292	End	3678
GI	none	Score	.78
Exons	292..345, 1654..1854, 2311..2515, 3641..3678		

Seq. No.	33334	Seq. ID	OJ000251_51.0217.C6
Gene No.	69136	Strand	-
Start	4050	End	4322
Name	OJ000251_51.0217.C6.o2.gs	Method	GENSCAN
Start	4050	End	4322
GI	none	Score	.57
Exons	4050..4084, 4220..4322		

Seq. No.	33335	Seq. ID	OJ000251_51.0217.C7
Gene No.	69137	Strand	-
Start	5289	End	5868
Name	OJ000251_51.0217.C7.o1.np	Method	AAT/NAP
Start	5289	End	5868
GI	4263785	Score	376
Exons	5289..5868		
GI Descrip.	(AC006068) putative AP2 domain transcription factor [Arabidopsis thaliana]		

Seq. No.	33335	Seq. ID	OJ000251_51.0217.C7
Gene No.	69137	Strand	-
Start	5289	End	5868
Name	OJ000251_51.0217.C7.o1.tc	Method	TBLASTX:Cress
Start	5517	End	5754
GI	none	Score	168
Exons	5517..5753, 5530..5754		

Seq. No.	33335	Seq. ID	OJ000251_51.0217.C7
Gene No.	69137	Strand	-
Start	5289	End	5868
Name	OJ000251_51.0217.C7.o1.ts	Method	TBLASTX:Soybean
Start	5517	End	5762

GI	none	Score	193
Exons	5517..5762, 5530..5754		
Seq. No.	33335	Seq. ID	OJ000251_51.0217.C7
Gene No.	69137	Strand	-
Start	5289	End	5868
Name	OJ000251_51.0217.C7.o1.tm	Method	TBLASTX:Maize
Start	5517	End	5772
GI	none	Score	44
Exons	5517..5771, 5545..5598, 5656..5772		
Seq. No.	33335	Seq. ID	OJ000251_51.0217.C7
Gene No.	69137	Strand	-
Start	5289	End	5868
Name	OJ000251_51.0217.C7.o1.tw	Method	TBLASTX:Wheat
Start	5551	End	5741
GI	none	Score	79
Exons	5551..5739, 5571..5741		
Seq. No.	33336	Seq. ID	OJ000251_51.0217.C8
Gene No.	69138	Strand	-
Start	1093	End	2652
Name	OJ000251_51.0217.C8.o2.gs	Method	GENSCAN
Start	1093	End	2652
GI	none	Score	.49
Exons	1093..1109, 1165..1340, 1468..1625, 1719..1849, 2577..2652		
Seq. No.	33337	Seq. ID	OJ000251_51.0217.C9
Gene No.	69139	Strand	+
Start	1819	End	3404
Name	OJ000251_51.0217.C9.o2.np	Method	AAT/NAP
Start	1819	End	3404
GI	3193328	Score	476
Exons	1819..2290, 2433..2498, 3299..3404		
GI Descrip.	(AF069299) No definition line found [Arabidopsis thaliana]		
Seq. No.	33337	Seq. ID	OJ000251_51.0217.C9
Gene No.	69140	Strand	+
Start	11811	End	12664
Name	OJ000251_51.0217.C9.o4.gs	Method	GENSCAN
Start	11811	End	12664
GI	none	Score	.93
Exons	11811..12004, 12493..12664		
Seq. No.	33337	Seq. ID	OJ000251_51.0217.C9
Gene No.	69141	Strand	-
Start	1	End	4081
Name	OJ000251_51.0217.C9.o1.np	Method	AAT/NAP
Start	1	End	1526
GI	135535	Score	446
Exons	1..327, 437..496, 595..681, 770..859, 1255..1319, 1454..1526		
GI Descrip.	T-COMPLEX PROTEIN 1, ALPHA SUBUNIT (TCP-1-ALPHA) (CCT-ALPHA) gi|322602|pir||JN0448 t-complex polypeptide Tcp-1 - Arabidopsis thaliana gi|217871|dbj|BAA01955| (D11351) t-complex polypeptide 1 homologue [Arabidopsis thaliana] gi|2326265|dbj|BAA21772| (D11352) CCT alpha/TCP-1 [Arabidopsis thaliana]		

Seq. No.	33337	Seq. ID	OJ000251_51.0217.C9
Gene No.	69141	Strand	-
Start	1	End	4081
Name	OJ000251_51.0217.C9.o1.gs	Method	GENSCAN
Start	437	End	4081
GI	none	Score	.68
Exons	437..496, 595..681, 749..859, 1255..1319, 1454..1560, 1906..2377, 4078..4081		

Seq. No.	33337	Seq. ID	OJ000251_51.0217.C9
Gene No.	69142	Strand	-
Start	10064	End	11540
Name	OJ000251_51.0217.C9.o3.gs	Method	GENSCAN
Start	10064	End	11540
GI	none	Score	.65
Exons	10064..10168, 10826..10974, 11414..11540		

Seq. No.	33337	Seq. ID	OJ000251_51.0217.C9
Gene No.	69143	Strand	-
Start	14607	End	17672
Name	OJ000251_51.0217.C9.o1.tc	Method	TBLASTX:Cress
Start	431	End	1521
GI	none	Score	63
Exons	431..499, 435..488, 595..681, 601..687, 764..853, 768..869, 784..867, 1252..1320, 1256..1321, 1450..1521, 1455..1520		

Seq. No.	33337	Seq. ID	OJ000251_51.0217.C9
Gene No.	69143	Strand	-
Start	14607	End	17672
Name	OJ000251_51.0217.C9.o1.ts	Method	TBLASTX:Soybean
Start	431	End	1520
GI	none	Score	54
Exons	431..499, 595..681, 613..684, 764..853, 768..869, 1252..1320, 1256..1321, 1455..1520, 1456..1509		

Seq. No.	33337	Seq. ID	OJ000251_51.0217.C9
Gene No.	69143	Strand	-
Start	14607	End	17672
Name	OJ000251_51.0217.C9.o1.tm	Method	TBLASTX:Maize
Start	431	End	1571
GI	none	Score	87
Exons	431..499, 435..494, 595..681, 607..684, 633..683, 764..853, 768..869, 769..867, 1252..1320, 1256..1321, 1450..1521, 1455..1571		

Seq. No.	33337	Seq. ID	OJ000251_51.0217.C9
Gene No.	69143	Strand	-
Start	14607	End	17672
Name	OJ000251_51.0217.C9.o2.tc	Method	TBLASTX:Cress
Start	1929	End	2291
GI	none	Score	87
Exons	1929..2069, 2046..2291, 2066..2290		

Seq. No.	33337	Seq. ID	OJ000251_51.0217.C9
Gene No.	69143	Strand	-
Start	14607	End	17672
Name	OJ000251_51.0217.C9.o2.ts	Method	TBLASTX:Soybean

Start	1929	End	2218
GI	none	Score	126
Exons	1929..2069, 2030..2218, 2031..2216		

Seq. No.	33337	Seq. ID	OJ000251_51.0217.C9
Gene No.	69143	Strand	-
Start	14607	End	17672
Name	OJ000251_51.0217.C9.o5.gs	Method	GENSCAN
Start	14607	End	17672
GI	none	Score	.41
Exons	14607..14752, 15421..15595, 17571..17672		

Seq. No.	33338	Seq. ID	OJ000251_51.0217.C10
Gene No.	69144	Strand	+
Start	5998	End	6399
Name	OJ000251_51.0217.C10.o3.gs	Method	GENSCAN
Start	5998	End	6399
GI	none	Score	.84
Exons	5998..6399		

Seq. No.	33338	Seq. ID	OJ000251_51.0217.C10
Gene No.	69145	Strand	+
Start	8331	End	9185
Name	OJ000251_51.0217.C10.o4.gs	Method	GENSCAN
Start	8331	End	9185
GI	none	Score	.85
Exons	8331..8525, 8884..8923, 9109..9185		

Seq. No.	33338	Seq. ID	OJ000251_51.0217.C10
Gene No.	69145	Strand	+
Start	8331	End	9185
Name	OJ000251_51.0217.C10.o1.gp	Method	AAT/GAP
Start	8906	End	9185
GI	4715473	Score	306
Exons	8906..9011, 9109..9185		
GI Descrip.	2245020/emb|CAB10440.1| 1.0e-40 (Z97341) growth regulator like protein [Arabidopsis thaliana]		

Seq. No.	33338	Seq. ID	OJ000251_51.0217.C10
Gene No.	69146	Strand	-
Start	2024	End	6164
Name	OJ000251_51.0217.C10.o1.np	Method	AAT/NAP
Start	2024	End	3449
GI	5852084	Score	80
Exons	2024..2108, 3409..3449		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	33338	Seq. ID	OJ000251_51.0217.C10
Gene No.	69146	Strand	-
Start	2024	End	6164
Name	OJ000251_51.0217.C10.o2.gs	Method	GENSCAN
Start	2905	End	5642
GI	none	Score	.73
Exons	2905..3398, 5026..5153, 5236..5642		

Seq. No.	33338	Seq. ID	OJ000251_51.0217.C10
Gene No.	69146	Strand	-

Start	2024	End	6164
Name	OJ000251_51.0217.C10.o2.np	Method	AAT/NAP
Start	3147	End	6164
GI	5931675	Score	270
Exons	3147..3308, 5026..5153, 5236..5513, 6094..6164		
GI Descrip.	(AJ011639) squamosa promoter binding protein-like 9 [Arabidopsis thaliana]		

Seq. No.	33338	Seq. ID	OJ000251_51.0217.C10
Gene No.	69146	Strand	-
Start	2024	End	6164
Name	OJ000251_51.0217.C10.o1.ts	Method	TBLASTX:Soybean
Start	5066	End	5375
GI	none	Score	68
Exons	5066..5155, 5235..5375, 5239..5322		

Seq. No.	33338	Seq. ID	OJ000251_51.0217.C10
Gene No.	69146	Strand	-
Start	2024	End	6164
Name	OJ000251_51.0217.C10.o1.tc	Method	TBLASTX:Cress
Start	5069	End	5375
GI	none	Score	41
Exons	5069..5155, 5112..5156, 5235..5375, 5239..5337		

Seq. No.	33338	Seq. ID	OJ000251_51.0217.C10
Gene No.	69146	Strand	-
Start	2024	End	6164
Name	OJ000251_51.0217.C10.o1.tm	Method	TBLASTX:Maize
Start	5087	End	5420
GI	none	Score	147
Exons	5087..5155, 5233..5400, 5235..5420		

Seq. No.	33338	Seq. ID	OJ000251_51.0217.C10
Gene No.	69147	Strand	
Start	8376	End	8536
Name	OJ000251_51.0217.C10.o2.tm	Method	TBLASTX:Maize
Start	8376	End	8536
GI	none	Score	242
Exons	8376..8531, 8405..8536		

Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69148	Strand	+
Start	1	End	6153
Name	OJ000251_51.0217.C11.o1.gp	Method	AAT/GAP
Start	1	End	834
GI	4715473	Score	622
Exons	1..199, 663..834		
GI Descrip.	2245020/emb|CAB10440.1| 1.0e-40 (Z97341) growth regulator like protein [Arabidopsis thaliana]		

Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69148	Strand	+
Start	1	End	6153
Name	OJ000251_51.0217.C11.o1.np	Method	AAT/NAP
Start	1	End	6153
GI	2245020	Score	1160
Exons	1..199, 663..844, 969..1071, 1309..1637, 1853..2095, 6125..6153		

GI Descrip. (Z97341) growth regulator like protein [Arabidopsis thaliana]

Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69148	Strand	+
Start	1	End	6153
Name	OJ000251_51.0217.C11.o1.gs	Method	GENSCAN
Start	149	End	2535
GI	none	Score	.65
Exons	149..199, 663..844, 969..1071, 1309..1412, 1545..1637, 1853..1955, 2413..2535		

Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69149	Strand	+
Start	10678	End	11636
Name	OJ000251_51.0217.C11.o4.gs	Method	GENSCAN
Start	10678	End	11636
GI	none	Score	.61
Exons	10678..10851, 10910..11011, 11430..11491, 11540..11636		

Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69150	Strand	+
Start	11980	End	14231
Name	OJ000251_51.0217.C11.o5.gs	Method	GENSCAN
Start	11980	End	14231
GI	none	Score	.6
Exons	11980..12030, 13526..13633, 14058..14231		

Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69151	Strand	+
Start	14950	End	18816
Name	OJ000251_51.0217.C11.o4.gp	Method	AAT/GAP
Start	14885	End	15549
GI	LIB3434-057-P1-K1-A5	Score	879
Exons	14885..15076, 15181..15430, 15512..15549		
GI Descrip.	'4895251/gb|AAD32836.1|AC007659_18 7.0e-33 (AC007659) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69151	Strand	+
Start	14950	End	18816
Name	OJ000251_51.0217.C11.o4.np	Method	AAT/NAP
Start	14950	End	15877
GI	3264596	Score	1100
Exons	14950..15076, 15181..15430, 15512..15877		
GI Descrip.	(AF057183) putative tonoplast aquaporin [Zea mays]		

Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69151	Strand	+
Start	14950	End	18816
Name	OJ000251_51.0217.C11.o6.gs	Method	GENSCAN
Start	14950	End	18816
GI	none	Score	.66
Exons	14950..15076, 15181..15430, 15544..15856, 16097..16193, 16907..17099, 17292..18816		

Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69151	Strand	+

Start	14950	End	18816
Name	OJ000251_51.0217.C11.o5.np	Method	AAT/NAP
Start	16848	End	18529
GI	6539588	Score	296
Exons	16848..17166, 18505..18529		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69152	Strand	-
Start	2323	End	2593
Name	OJ000251_51.0217.C11.o2.gp	Method	AAT/GAP
Start	2323	End	2593
GI	4715474	Score	499
Exons	2323..2593		

Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69153	Strand	-
Start	3066	End	5996
Name	OJ000251_51.0217.C11.o2.gs	Method	GENSCAN
Start	3066	End	5996
GI	none	Score	.91
Exons	3066..3157, 3239..3350, 3440..3575, 3651..3928, 4437..4511, 5066..5379, 5458..5616, 5726..5841, 5962..5996		

Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69153	Strand	-
Start	3066	End	5996
Name	OJ000251_51.0217.C11.o2.np	Method	AAT/NAP
Start	3066	End	5768
GI	2341034	Score	1117
Exons	3066..3157, 3239..3350, 3440..3575, 3651..3928, 5204..5379, 5458..5616, 5726..5768		
GI Descrip.	(AC000104) F19P19.13 [Arabidopsis thaliana]		

Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69154	Strand	-
Start	6945	End	7009
Name	OJ000251_51.0217.C11.o3.gp	Method	AAT/GAP
Start	6945	End	7009
GI	2312838	Score	67
Exons	6945..7009		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69155	Strand	-
Start	8738	End	9772
Name	OJ000251_51.0217.C11.o3.np	Method	AAT/NAP
Start	8685	End	9772
GI	6815053	Score	688
Exons	8685..8921, 8971..9145, 9626..9772		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69155	Strand	-
Start	8738	End	9772
Name	OJ000251_51.0217.C11.o3.gs	Method	GENSCAN

Start	8738	End	9064
GI	none	Score	.58
Exons	8738..9064		

Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69156	Strand	-
Start	19005	End	19457
Name	OJ000251_51.0217.C11.o3.ts	Method	TBLASTX:Soybean
Start	8	End	2051
GI	none	Score	115
Exons	8..88, 9..89, 633..848, 964..1068, 1305..1559, 1330..1506, 1338..1511, 1512..1637, 1513..1638, 1519..1638, 1521..1649, 1845..1904, 1847..1939, 1851..2051		

Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69156	Strand	-
Start	19005	End	19457
Name	OJ000251_51.0217.C11.o3.tc	Method	TBLASTX:Cress
Start	738	End	1638
GI	none	Score	78
Exons	738..824, 964..1053, 1309..1515, 1311..1451, 1537..1638, 1539..1631		

Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69156	Strand	-
Start	19005	End	19457
Name	OJ000251_51.0217.C11.o3.tm	Method	TBLASTX:Maize
Start	1330	End	1997
GI	none	Score	219
Exons	1330..1515, 1332..1499, 1471..1641, 1512..1646, 1513..1641, 1526..1642, 1533..1676, 1835..1966, 1848..1988, 1851..1997		

Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69156	Strand	-
Start	19005	End	19457
Name	OJ000251_51.0217.C11.o4.tc	Method	TBLASTX:Cress
Start	1851	End	2051
GI	none	Score	210
Exons	1851..2051		

Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69156	Strand	-
Start	19005	End	19457
Name	OJ000251_51.0217.C11.o2.tc	Method	TBLASTX:Cress
Start	3067	End	5762
GI	none	Score	55
Exons	3067..3159, 3069..3158, 3226..3351, 3237..3353, 3440..3565, 3444..3545, 3650..3931, 3651..3938, 5190..5381, 5201..5383, 5201..5380, 5455..5511, 5456..5620, 5457..5642, 5476..5622, 5724..5762		

Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69156	Strand	-
Start	19005	End	19457
Name	OJ000251_51.0217.C11.o1.ts	Method	TBLASTX:Soybean
Start	3069	End	5762
GI	none	Score	124

Exons	3069..3158, 3226..3354, 3237..3353, 3440..3574, 3444..3545, 3650..3931, 3657..3938, 5190..5306, 5201..5305, 5306..5380, 5307..5381, 5456..5620, 5457..5642, 5724..5762		
Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69156	Strand	-
Start	19005	End	19457
Name	OJ000251_51.0217.C11.o2.tw	Method	TBLASTX:Wheat
Start	3069	End	5762
GI	none	Score	102
Exons	3069..3158, 3202..3351, 3237..3353, 3440..3574, 3444..3545, 3650..3931, 3651..3938, 3843..3941, 3847..3942, 5190..5381, 5201..5380, 5456..5620, 5457..5642, 5724..5762		
Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69156	Strand	-
Start	19005	End	19457
Name	OJ000251_51.0217.C11.o2.tm	Method	TBLASTX:Maize
Start	3069	End	5762
GI	none	Score	111
Exons	3069..3158, 3202..3351, 3237..3353, 3440..3574, 3444..3545, 3650..3931, 3651..3938, 5190..5381, 5201..5380, 5456..5620, 5457..5642, 5724..5762		
Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69156	Strand	-
Start	19005	End	19457
Name	OJ000251_51.0217.C11.o1.tw	Method	TBLASTX:Wheat
Start	9444	End	15832
GI	none	Score	141
Exons	9444..9482, 9475..9519, 9568..9672, 14961..15074, 14965..15075, 14965..15081, 15183..15407, 15194..15394, 15207..15407, 15511..15792, 15512..15826, 15623..15832		
Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69156	Strand	-
Start	19005	End	19457
Name	OJ000251_51.0217.C11.o4.tm	Method	TBLASTX:Maize
Start	13268	End	13796
GI	none	Score	85
Exons	13268..13402, 13458..13796, 13477..13761		
Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69156	Strand	-
Start	19005	End	19457
Name	OJ000251_51.0217.C11.o1.tc	Method	TBLASTX:Cress
Start	14928	End	15859
GI	none	Score	150
Exons	14928..15083, 14965..15084, 15183..15407, 15185..15412, 15512..15535, 15532..15792, 15533..15859, 15623..15838		
Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69156	Strand	-
Start	19005	End	19457
Name	OJ000251_51.0217.C11.o1.tm	Method	TBLASTX:Maize
Start	14943	End	15886
GI	none	Score	76

Exons	14943..15038, 14948..15037, 14949..15083, 14965..15084, 15179..15409, 15180..15407, 15497..15535, 15532..15792, 15533..15886, 15623..15880, 15832..15885		
Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69156	Strand	-
Start	19005	End	19457
Name	OJ000251_51.0217.C11.o2.ts	Method	TBLASTX:Soybean
Start	14949	End	15948
GI	none	Score	146
Exons	14949..15083, 14968..15084, 15183..15407, 15183..15407, 15185..15415, 15535..15792, 15536..15871, 15623..15859, 15898..15948		
Seq. No.	33339	Seq. ID	OJ000251_51.0217.C11
Gene No.	69156	Strand	-
Start	19005	End	19457
Name	OJ000251_51.0217.C11.o6.np	Method	AAT/NAP
Start	19005	End	19457
GI	5042454	Score	64
Exons	19005..19060, 19362..19457		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	33340	Seq. ID	OJ000251_51.0217.C13
Gene No.	69157	Strand	+
Start	126	End	3167
Name	OJ000251_51.0217.C13.o1.gs	Method	GENSCAN
Start	126	End	3167
GI	none	Score	.75
Exons	126..229, 557..636, 999..1096, 1469..1640, 1677..2094, 2109..2254, 2349..2557, 2700..2812, 2830..3000, 3006..3167		
Seq. No.	33340	Seq. ID	OJ000251_51.0217.C13
Gene No.	69157	Strand	+
Start	126	End	3167
Name	OJ000251_51.0217.C13.o1.np	Method	AAT/NAP
Start	1748	End	2993
GI	6721562	Score	1722
Exons	1748..2993		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		
Seq. No.	33340	Seq. ID	OJ000251_51.0217.C13
Gene No.	69157	Strand	+
Start	126	End	3167
Name	OJ000251_51.0217.C13.o1.tm	Method	TBLASTX:Maize
Start	2444	End	2692
GI	none	Score	198
Exons	2444..2692, 2446..2691		
Seq. No.	33340	Seq. ID	OJ000251 51.0217.C13
Gene No.	69157	Strand	+
Start	126	End	3167
Name	OJ000251_51.0217.C13.o1.tw	Method	TBLASTX:Wheat

Start	2456	End	2794
GI	none	Score	116
Exons	2456..2554, 2473..2553, 2521..2760, 2537..2794		

Seq. No.	33341	Seq. ID	OJ000251_51.0217.C14
Gene No.	69158	Strand	+
Start	1	End	4952
Name	OJ000251_51.0217.C14.o1.np	Method	AAT/NAP
Start	1	End	4949
GI	6498441	Score	6286
Exons	1..561, 891..1354, 1418..1791, 1975..2109, 2283..3005, 3177..4574, 4668..4949		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	33341	Seq. ID	OJ000251_51.0217.C14
Gene No.	69158	Strand	+
Start	1	End	4952
Name	OJ000251_51.0217.C14.o1.gs	Method	GENSCAN
Start	75	End	4952
GI	none	Score	.55
Exons	75..245, 251..756, 915..1397, 1529..1563, 1568..2109, 2166..2622, 2628..3656, 3735..4952		

Seq. No.	33341	Seq. ID	OJ000251_51.0217.C14
Gene No.	69159	Strand	-
Start	2795	End	7202
Name	OJ000251_51.0217.C14.o3.tw	Method	TBLASTX:Wheat
Start	775	End	1261
GI	none	Score	402
Exons	775..912, 776..1261, 970..1230		

Seq. No.	33341	Seq. ID	OJ000251_51.0217.C14
Gene No.	69159	Strand	-
Start	2795	End	7202
Name	OJ000251_51.0217.C14.o1.tw	Method	TBLASTX:Wheat
Start	1425	End	1888
GI	none	Score	226
Exons	1425..1868, 1426..1881, 1427..1888, 1427..1882		

Seq. No.	33341	Seq. ID	OJ000251_51.0217.C14
Gene No.	69159	Strand	-
Start	2795	End	7202
Name	OJ000251_51.0217.C14.o1.tm	Method	TBLASTX:Maize
Start	1591	End	1912
GI	none	Score	386
Exons	1591..1902, 1592..1912, 1796..1912		

Seq. No.	33341	Seq. ID	OJ000251_51.0217.C14
Gene No.	69159	Strand	-
Start	2795	End	7202
Name	OJ000251_51.0217.C14.o3.tm	Method	TBLASTX:Maize
Start	1939	End	2322
GI	none	Score	287
Exons	1939..2223, 1940..2224, 2212..2322		

Seq. No.	33341	Seq. ID	OJ000251_51.0217.C14
Gene No.	69159	Strand	-
Start	2795	End	7202
Name	OJ000251_51.0217.C14.o2.tw	Method	TBLASTX:Wheat
Start	1996	End	2415
GI	none	Score	281
Exons	1996..2226, 1997..2227, 2209..2415, 2235..2390		

Seq. No.	33341	Seq. ID	OJ000251_51.0217.C14
Gene No.	69159	Strand	-
Start	2795	End	7202
Name	OJ000251_51.0217.C14.o1.ts	Method	TBLASTX:Soybean
Start	2075	End	2445
GI	none	Score	154
Exons	2075..2218, 2092..2217, 2215..2445		

Seq. No.	33341	Seq. ID	OJ000251_51.0217.C14
Gene No.	69159	Strand	-
Start	2795	End	7202
Name	OJ000251_51.0217.C14.o2.np	Method	AAT/NAP
Start	2795	End	7202
GI	6907089	Score	2273
Exons	2795..2821, 3466..3617, 5591..5842, 5943..7202		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	33341	Seq. ID	OJ000251_51.0217.C14
Gene No.	69159	Strand	-
Start	2795	End	7202
Name	OJ000251_51.0217.C14.o5.tw	Method	TBLASTX:Wheat
Start	2850	End	3311
GI	none	Score	231
Exons	2850..3101, 2877..3128, 2942..3127, 3106..3138, 3171..3311, 3173..3310		

Seq. No.	33341	Seq. ID	OJ000251_51.0217.C14
Gene No.	69159	Strand	-
Start	2795	End	7202
Name	OJ000251_51.0217.C14.o2.ts	Method	TBLASTX:Soybean
Start	3000	End	3566
GI	5666795	Score	63
Exons	3000..3098, 3174..3311, 3366..3566		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	33341	Seq. ID	OJ000251_51.0217.C14
Gene No.	69159	Strand	-
Start	2795	End	7202
Name	OJ000251_51.0217.C14.o7.tw	Method	TBLASTX:Wheat
Start	3314	End	3626
GI	none	Score	191
Exons	3314..3490, 3366..3626		

Seq. No.	33341	Seq. ID	OJ000251_51.0217.C14
Gene No.	69159	Strand	-
Start	2795	End	7202
Name	OJ000251_51.0217.C14.o2.tm	Method	TBLASTX:Maize
Start	3819	End	4181
GI	none	Score	368

Exons	3819..4142, 3848..4129, 4046..4162, 4134..4181		
Seq. No.	33341	Seq. ID	OJ000251_51.0217.C14
Gene No.	69159	Strand	-
Start	2795	End	7202
Name	OJ000251_51.0217.C14.o4.tw	Method	TBLASTX:Wheat
Start	3956	End	4357
GI	none	Score	384
Exons	3956..4357, 3957..4337		
Seq. No.	33341	Seq. ID	OJ000251_51.0217.C14
Gene No.	69159	Strand	-
Start	2795	End	7202
Name	OJ000251_51.0217.C14.o6.tw	Method	TBLASTX:Wheat
Start	4362	End	4940
GI	none	Score	239
Exons	4362..4640, 4364..4621, 4386..4754, 4814..4936, 4815..4940		
Seq. No.	33341	Seq. ID	OJ000251_51.0217.C14
Gene No.	69159	Strand	-
Start	2795	End	7202
Name	OJ000251_51.0217.C14.o4.tm	Method	TBLASTX:Maize
Start	4808	End	4952
GI	none	Score	186
Exons	4808..4948, 4809..4952		
Seq. No.	33341	Seq. ID	OJ000251_51.0217.C14
Gene No.	69159	Strand	-
Start	2795	End	7202
Name	OJ000251_51.0217.C14.o2.gs	Method	GENSCAN
Start	5574	End	7202
GI	none	Score	.48
Exons	5574..5842, 5943..6051, 6100..6670, 6715..7006, 7073..7202		
Seq. No.	33342	Seq. ID	OJ000251_51.0217.C15
Gene No.	69160	Strand	-
Start	1	End	380
Name	OJ000251_51.0217.C15.o1.np	Method	AAT/NAP
Start	1	End	380
GI	2245020	Score	161
Exons	1..21, 103..189, 267..380		
GI Descrip.	(Z97341) growth regulator like protein [Arabidopsis thaliana]		
Seq. No.	33342	Seq. ID	OJ000251_51.0217.C15
Gene No.	69160	Strand	-
Start	1	End	380
Name	OJ000251_51.0217.C15.o1.ts	Method	TBLASTX:Soybean
Start	101	End	345
GI	none	Score	107
Exons	101..190, 103..189, 259..342, 264..341, 295..345		
Seq. No.	33343	Seq. ID	OJ000251_51.0217.C16
Gene No.	69161	Strand	+
Start	2942	End	5380
Name	OJ000251_51.0217.C16.o1.np	Method	AAT/NAP
Start	2930	End	5377
GI	4895251	Score	1462

Exons	2930..3333, 3420..3778, 3874..4002, 4091..4222, 4335..4607, 4712..5112, 5237..5377		
GI Descrip.	(AC007659) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33343	Seq. ID	OJ000251_51.0217.C16
Gene No.	69161	Strand	+
Start	2942	End	5380
Name	OJ000251_51.0217.C16.o1.gp	Method	AAT/GAP
Start	2931	End	3197
GI	426401	Score	477
Exons	2931..3197		

Seq. No.	33343	Seq. ID	OJ000251_51.0217.C16
Gene No.	69161	Strand	+
Start	2942	End	5380
Name	OJ000251_51.0217.C16.o2.gs	Method	GENSCAN
Start	2942	End	5380
GI	none	Score	.89
Exons	2942..3333, 3420..3778, 3874..4002, 4091..4222, 4335..4607, 4712..5112, 5237..5380		

Seq. No.	33343	Seq. ID	OJ000251_51.0217.C16
Gene No.	69161	Strand	+
Start	2942	End	5380
Name	OJ000251_51.0217.C16.o2.gp	Method	AAT/GAP
Start	3913	End	4448
GI	5701670	Score	612
Exons	3913..4002, 4091..4222, 4335..4448		
GI Descrip.	4895251/gb|AAD32836.1|AC007659_18 7.0e-33 (AC007659) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33343	Seq. ID	OJ000251_51.0217.C16
Gene No.	69162	Strand	+
Start	10971	End	11400
Name	OJ000251_51.0217.C16.o4.gp	Method	AAT/GAP
Start	10971	End	11400
GI	none	Score	840
Exons	10971..11400		

Seq. No.	33343	Seq. ID	OJ000251_51.0217.C16
Gene No.	69163	Strand	-
Start	937	End	1733
Name	OJ000251_51.0217.C16.o1.gs	Method	GENSCAN
Start	937	End	1733
GI	none	Score	.51
Exons	937..1106, 1293..1386, 1608..1733		

Seq. No.	33343	Seq. ID	OJ000251_51.0217.C16
Gene No.	69164	Strand	-
Start	5811	End	7663
Name	OJ000251_51.0217.C16.o3.gs	Method	GENSCAN
Start	5811	End	7663
GI	none	Score	.78
Exons	5811..6043, 6152..6245, 6384..6711, 7200..7663		

Seq. No.	33343	Seq. ID	OJ000251_51.0217.C16
Gene No.	69164	Strand	-

Start	5811	End	7663
Name	OJ000251_51.0217.C16.o3.gp	Method	AAT/GAP
Start	6453	End	7361
GI	2428225	Score	759
Exons	6453..6711, 7200..7361		

Seq. No.	33343	Seq. ID	OJ000251_51.0217.C16
Gene No.	69165	Strand	-
Start	11025	End	13004
Name	OJ000251_51.0217.C16.o2.ts	Method	TBLASTX:Soybean
Start	5014	End	5391
GI	none	Score	106
Exons	5014..5112, 5234..5368, 5236..5391		

Seq. No.	33343	Seq. ID	OJ000251_51.0217.C16
Gene No.	69165	Strand	-
Start	11025	End	13004
Name	OJ000251_51.0217.C16.o4.gs	Method	GENSCAN
Start	11025	End	13004
GI	none	Score	.84
Exons	11025..11459, 11474..11775, 11887..12022, 12434..12502, 12508..12675, 12999..13004		

Seq. No.	33343	Seq. ID	OJ000251_51.0217.C16
Gene No.	69165	Strand	-
Start	11025	End	13004
Name	OJ000251_51.0217.C16.o4.np	Method	AAT/NAP
Start	11055	End	12736
GI	6539588	Score	283
Exons	11055..11181, 11966..12018, 12426..12736		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	33343	Seq. ID	OJ000251_51.0217.C16
Gene No.	69165	Strand	-
Start	11025	End	13004
Name	OJ000251_51.0217.C16.o3.np	Method	AAT/NAP
Start	11056	End	12025
GI	5541711	Score	491
Exons	11056..11459, 11525..11771, 11883..12025		
GI Descrip.	(AL096860) aquaporin-like protein [Arabidopsis thaliana]		

Seq. No.	33343	Seq. ID	OJ000251_51.0217.C16
Gene No.	69165	Strand	-
Start	11025	End	13004
Name	OJ000251_51.0217.C16.o1.tc	Method	TBLASTX:Cress
Start	11151	End	11977
GI	none	Score	67
Exons	11151..11243, 11191..11241, 11364..11459, 11522..11788, 11547..11771, 11882..11977, 11895..11951		

Seq. No.	33343	Seq. ID	OJ000251_51.0217.C16
Gene No.	69165	Strand	-
Start	11025	End	13004
Name	OJ000251_51.0217.C16.o1.tm	Method	TBLASTX:Maize
Start	11151	End	11977
GI	none	Score	82
Exons	11151..11243, 11155..11244, 11364..11468, 11522..11788,		

11547..11777, 11891..11977, 11895..11948

Seq. No.	33343	Seq. ID	OJ000251_51.0217.C16
Gene No.	69165	Strand	-
Start	11025	End	13004
Name	OJ000251_51.0217.C16.o1.ts	Method	TBLASTX:Soybean
Start	11151	End	11977
GI	none	Score	76
Exons	11151..11243, 11191..11241, 11364..11408, 11528..11788, 11547..11777, 11882..11977		

Seq. No.	33343	Seq. ID	OJ000251_51.0217.C16
Gene No.	69165	Strand	-
Start	11025	End	13004
Name	OJ000251_51.0217.C16.o1.tw	Method	TBLASTX:Wheat
Start	11520	End	11977
GI	none	Score	145
Exons	11520..11777, 11525..11788, 11891..11977, 11895..11948		

Seq. No.	33344	Seq. ID	OJ000251_51.0217.C18
Gene No.	69166	Strand	+
Start	268	End	1461
Name	OJ000251_51.0217.C18.o1.gs	Method	GENSCAN
Start	268	End	1461
GI	none	Score	.9
Exons	268..492, 729..896, 1244..1461		

Seq. No.	33345	Seq. ID	OJ000251_45.0217.C1
Gene No.	69167	Strand	+
Start	55	End	500
Name	OJ000251_45.0217.C1.o1.gs	Method	GENSCAN
Start	55	End	500
GI	none	Score	.68
Exons	55..259, 313..500		

Seq. No.	33345	Seq. ID	OJ000251_45.0217.C1
Gene No.	69168	Strand	-
Start	1	End	527
Name	OJ000251_45.0217.C1.o1.np	Method	AAT/NAP
Start	1	End	527
GI	5852179	Score	222
Exons	1..207, 282..527		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	33346	Seq. ID	OJ000251_45.0217.C2
Gene No.	69169	Strand	+
Start	1	End	677
Name	OJ000251_45.0217.C2.o1.np	Method	AAT/NAP
Start	1	End	677
GI	5852180	Score	38
Exons	1..83, 279..446, 658..677		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	33346	Seq. ID	OJ000251_45.0217.C2
Gene No.	69170	Strand	-
Start	195	End	378
Name	OJ000251_45.0217.C2.o1.gp	Method	AAT/GAP

Start	195	End	378
GI	uC-osf1cyp033a04b1	Score	290
Exons	195..378		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	33347	Seq. ID	OJ000251_45.0217.C3
Gene No.	69171	Strand	+
Start	1	End	3707
Name	OJ000251_45.0217.C3.o3.np	Method	AAT/NAP
Start	1	End	3707
GI	2943742	Score	126
Exons	1..65, 3417..3707		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	33347	Seq. ID	OJ000251_45.0217.C3
Gene No.	69171	Strand	+
Start	1	End	3707
Name	OJ000251_45.0217.C3.o1.np	Method	AAT/NAP
Start	108	End	2151
GI	5852179	Score	223
Exons	108..341, 416..612, 2122..2151		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	33347	Seq. ID	OJ000251_45.0217.C3
Gene No.	69171	Strand	+
Start	1	End	3707
Name	OJ000251_45.0217.C3.o2.np	Method	AAT/NAP
Start	927	End	1941
GI	4680185	Score	391
Exons	927..993, 1574..1941		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	33347	Seq. ID	OJ000251_45.0217.C3
Gene No.	69172	Strand	+
Start	5915	End	8910
Name	OJ000251_45.0217.C3.o4.np	Method	AAT/NAP
Start	5915	End	8910
GI	5852179	Score	291
Exons	5915..5935, 6922..7143, 7218..7614, 8877..8910		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	33347	Seq. ID	OJ000251_45.0217.C3
Gene No.	69173	Strand	-
Start	111	End	8913
Name	OJ000251_45.0217.C3.o1.gs	Method	GENSCAN
Start	111	End	8913
GI	none	Score	.44
Exons	111..361, 367..745, 1387..1509, 1636..1836, 2122..2174, 2897..2925, 4619..4729, 6473..6500, 7013..7115, 7169..7492, 8813..8913		

Seq. No.	33347	Seq. ID	OJ000251_45.0217.C3
Gene No.	69173	Strand	-
Start	111	End	8913
Name	OJ000251_45.0217.C3.o2.tm	Method	TBLASTX:Maize
Start	3248	End	3623

GI	none	Score	44
Exons	3248..3319, 3311..3385, 3313..3384, 3382..3540, 3384..3623, 3386..3622		

Seq. No.	33347	Seq. ID	OJ000251_45.0217.C3
Gene No.	69173	Strand	-
Start	111	End	8913
Name	OJ000251_45.0217.C3.o1.gp	Method	AAT/GAP
Start	5017	End	5304
GI	61605_3.R1084	Score	332
Exons	5017..5304		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	33347	Seq. ID	OJ000251_45.0217.C3
Gene No.	69173	Strand	-
Start	111	End	8913
Name	OJ000251_45.0217.C3.o2.gp	Method	AAT/GAP
Start	5827	End	6254
GI	2428185	Score	745
Exons	5827..6254		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	33347	Seq. ID	OJ000251_45.0217.C3
Gene No.	69173	Strand	-
Start	111	End	8913
Name	OJ000251_45.0217.C3.o3.gp	Method	AAT/GAP
Start	6270	End	6520
GI	101153_1.R1084	Score	397
Exons	6270..6520		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	33347	Seq. ID	OJ000251_45.0217.C3
Gene No.	69173	Strand	-
Start	111	End	8913
Name	OJ000251_45.0217.C3.o1.tm	Method	TBLASTX:Maize
Start	8448	End	8854
GI	none	Score	62
Exons	8448..8480, 8551..8763, 8567..8707, 8783..8854, 8784..8840		

Seq. No.	33348	Seq. ID	OJ000251_45.0217.C4
Gene No.	69174	Strand	+
Start	1118	End	8531
Name	OJ000251_45.0217.C4.o1.np	Method	AAT/NAP
Start	1118	End	8531
GI	5852180	Score	854
Exons	1118..1178, 2162..2278, 2331..2744, 3452..3491, 8485..8531		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	33348	Seq. ID	OJ000251_45.0217.C4
Gene No.	69174	Strand	+
Start	1118	End	8531
Name	OJ000251_45.0217.C4.o2.np	Method	AAT/NAP
Start	7269	End	8531
GI	4680179	Score	277

Exons	7269..7693, 7864..8069, 8506..8531		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	33348	Seq. ID	OJ000251_45.0217.C4
Gene No.	69175	Strand	-
Start	1027	End	1408
Name	OJ000251_45.0217.C4.o1.gp	Method	AAT/GAP
Start	1027	End	1408
GI	uC-osflcyp033a04b1	Score	671
Exons	1027..1408		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	33348	Seq. ID	OJ000251_45.0217.C4
Gene No.	69176	Strand	
Start	7293	End	7592
Name	OJ000251_45.0217.C4.o1.tm	Method	TBLASTX:Maize
Start	7293	End	7592
GI	none	Score	212
Exons	7293..7592, 7304..7396		
Seq. No.	33348	Seq. ID	OJ000251_45.0217.C4
Gene No.	69176	Strand	
Start	7293	End	7592
Name	OJ000251_45.0217.C4.o1.tw	Method	TBLASTX:Wheat
Start	7293	End	7589
GI	none	Score	242
Exons	7293..7589, 7293..7421, 7304..7474		
Seq. No.	33349	Seq. ID	OJ000251_45.0217.C5
Gene No.	69177	Strand	+
Start	62	End	1360
Name	OJ000251_45.0217.C5.o1.gs	Method	GENSCAN
Start	62	End	1360
GI	none	Score	.88
Exons	62..1096, 1205..1360		
Seq. No.	33349	Seq. ID	OJ000251_45.0217.C5
Gene No.	69178	Strand	+
Start	8130	End	8513
Name	OJ000251_45.0217.C5.o2.gp	Method	AAT/GAP
Start	8130	End	8513
GI	uC-osflcyp033a04b1	Score	685
Exons	8130..8513		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	33349	Seq. ID	OJ000251_45.0217.C5
Gene No.	69179	Strand	+
Start	9328	End	11272
Name	OJ000251_45.0217.C5.o2.np	Method	AAT/NAP
Start	9328	End	11272
GI	4680186	Score	340
Exons	9328..9346, 11072..11272		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	33349	Seq. ID	OJ000251_45.0217.C5

Gene No.	69180	Strand	-
Start	3412	End	11826
Name	OJ000251_45.0217.C5.o1.np	Method	AAT/NAP
Start	3412	End	11826
GI	5852180	Score	638
Exons	3412..3454, 4158..4568, 4619..4736, 8362..8420, 11797..11826		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	33349	Seq. ID	OJ000251_45.0217.C5
Gene No.	69180	Strand	-
Start	3412	End	11826
Name	OJ000251_45.0217.C5.o3.gs	Method	GENSCAN
Start	6877	End	7337
GI	none	Score	.91
Exons	6877..7286, 7295..7337		

Seq. No.	33349	Seq. ID	OJ000251_45.0217.C5
Gene No.	69180	Strand	-
Start	3412	End	11826
Name	OJ000251_45.0217.C5.o4.gs	Method	GENSCAN
Start	7561	End	10916
GI	none	Score	.54
Exons	7561..7667, 9303..9564, 10872..10916		

Seq. No.	33349	Seq. ID	OJ000251_45.0217.C5
Gene No.	69180	Strand	-
Start	3412	End	11826
Name	OJ000251_45.0217.C5.o3.gp	Method	AAT/GAP
Start	10824	End	11205
GI	uC-osflcyp033a04b1	Score	667
Exons	10824..11205		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	33350	Seq. ID	OJ000251_45.0217.C6
Gene No.	69181	Strand	-
Start	578	End	1127
Name	OJ000251_45.0217.C6.o1.gs	Method	GENSCAN
Start	578	End	1127
GI	none	Score	.4
Exons	578..606, 1097..1127		

Seq. No.	33351	Seq. ID	OJ000251_45.0217.C7
Gene No.	69182	Strand	-
Start	95	End	979
Name	OJ000251_45.0217.C7.o1.gs	Method	GENSCAN
Start	95	End	748
GI	none	Score	.89
Exons	95..748		

Seq. No.	33351	Seq. ID	OJ000251_45.0217.C7
Gene No.	69182	Strand	-
Start	95	End	979
Name	OJ000251_45.0217.C7.o1.np	Method	AAT/NAP
Start	98	End	979
GI	4680179	Score	1261
Exons	98..979		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	33351	Seq. ID	OJ000251_45.0217.C7
Gene No.	69182	Strand	-
Start	95	End	979
Name	OJ000251_45.0217.C7.o2.tw	Method	TBLASTX:Wheat
Start	143	End	476
GI	none	Score	144
Exons	143..475, 207..476		

Seq. No.	33351	Seq. ID	OJ000251_45.0217.C7
Gene No.	69182	Strand	-
Start	95	End	979
Name	OJ000251_45.0217.C7.o1.tm	Method	TBLASTX:Maize
Start	323	End	921
GI	none	Score	217
Exons	323..916, 339..761, 679..921,	680..913, 799..918	

Seq. No.	33351	Seq. ID	OJ000251_45.0217.C7
Gene No.	69182	Strand	-
Start	95	End	979
Name	OJ000251_45.0217.C7.o1.tw	Method	TBLASTX:Wheat
Start	476	End	978
GI	none	Score	62
Exons	476..796, 479..601, 588..797,	793..957, 793..978	

Seq. No.	33352	Seq. ID	OJ000251_45.0217.C8
Gene No.	69183	Strand	-
Start	1	End	3496
Name	OJ000251_45.0217.C8.o1.np	Method	AAT/NAP
Start	1	End	3496
GI	4680179	Score	3901
Exons	1..2383, 2417..3496		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33352	Seq. ID	OJ000251_45.0217.C8
Gene No.	69183	Strand	-
Start	1	End	3496
Name	OJ000251_45.0217.C8.o1.tw	Method	TBLASTX:Wheat
Start	1	End	552
GI	none	Score	292
Exons	1..552, 1..390, 3..485		

Seq. No.	33352	Seq. ID	OJ000251_45.0217.C8
Gene No.	69183	Strand	-
Start	1	End	3496
Name	OJ000251_45.0217.C8.o2.ts	Method	TBLASTX:Soybean
Start	3	End	206
GI	none	Score	94
Exons	3..206, 7..201		

Seq. No.	33352	Seq. ID	OJ000251_45.0217.C8
Gene No.	69183	Strand	-
Start	1	End	3496
Name	OJ000251_45.0217.C8.o3.tm	Method	TBLASTX:Maize
Start	3	End	344
GI	none	Score	102

Exons	3..344, 31..234, 45..269		
Seq. No.	33352	Seq. ID	OJ000251_45.0217.C8
Gene No.	69183	Strand	-
Start	1	End	3496
Name	OJ000251_45.0217.C8.o1.gs	Method	GENSCAN
Start	20	End	3496
GI	none	Score	.52
Exons	20..854, 950..3067, 3128..3496		
Seq. No.	33352	Seq. ID	OJ000251_45.0217.C8
Gene No.	69183	Strand	-
Start	1	End	3496
Name	OJ000251_45.0217.C8.o1.tm	Method	TBLASTX:Maize
Start	552	End	915
GI	none	Score	166
Exons	552..911, 561..914, 565..915		
Seq. No.	33352	Seq. ID	OJ000251_45.0217.C8
Gene No.	69183	Strand	-
Start	1	End	3496
Name	OJ000251_45.0217.C8.o2.tw	Method	TBLASTX:Wheat
Start	561	End	942
GI	none	Score	244
Exons	561..938, 561..941, 565..942		
Seq. No.	33352	Seq. ID	OJ000251_45.0217.C8
Gene No.	69183	Strand	-
Start	1	End	3496
Name	OJ000251_45.0217.C8.o3.ts	Method	TBLASTX:Soybean
Start	735	End	957
GI	none	Score	85
Exons	735..947, 736..957		
Seq. No.	33352	Seq. ID	OJ000251_45.0217.C8
Gene No.	69183	Strand	-
Start	1	End	3496
Name	OJ000251_45.0217.C8.o4.tw	Method	TBLASTX:Wheat
Start	944	End	1288
GI	none	Score	305
Exons	944..1288, 981..1277		
Seq. No.	33352	Seq. ID	OJ000251_45.0217.C8
Gene No.	69183	Strand	-
Start	1	End	3496
Name	OJ000251_45.0217.C8.o2.tm	Method	TBLASTX:Maize
Start	950	End	1450
GI	none	Score	50
Exons	950..1264, 993..1043, 1071..1199, 1271..1450, 1323..1442		
Seq. No.	33352	Seq. ID	OJ000251_45.0217.C8
Gene No.	69183	Strand	-
Start	1	End	3496
Name	OJ000251_45.0217.C8.o1.ts	Method	TBLASTX:Soybean
Start	1001	End	1396
GI	none	Score	209
Exons	1001..1360, 1002..1277, 1327..1359, 1364..1396, 1365..1394		

Seq. No.	33352	Seq. ID	OJ000251_45.0217.C8
Gene No.	69183	Strand	-
Start	1	End	3496
Name	OJ000251_45.0217.C8.o3.tw	Method	TBLASTX:Wheat
Start	1337	End	1823
GI	none	Score	209
Exons	1337..1714, 1340..1705, 1380..1823, 1769..1819		

Seq. No.	33352	Seq. ID	OJ000251_45.0217.C8
Gene No.	69183	Strand	-
Start	1	End	3496
Name	OJ000251_45.0217.C8.o4.tm	Method	TBLASTX:Maize
Start	1518	End	1808
GI	none	Score	181
Exons	1518..1808, 1520..1807		

Seq. No.	33352	Seq. ID	OJ000251_45.0217.C8
Gene No.	69183	Strand	-
Start	1	End	3496
Name	OJ000251_45.0217.C8.o6.tw	Method	TBLASTX:Wheat
Start	1988	End	2356
GI	none	Score	66
Exons	1988..2101, 1989..2093, 2147..2356, 2208..2300		

Seq. No.	33352	Seq. ID	OJ000251_45.0217.C8
Gene No.	69183	Strand	-
Start	1	End	3496
Name	OJ000251_45.0217.C8.o6.tm	Method	TBLASTX:Maize
Start	2039	End	2392
GI	none	Score	189
Exons	2039..2392		

Seq. No.	33352	Seq. ID	OJ000251_45.0217.C8
Gene No.	69183	Strand	-
Start	1	End	3496
Name	OJ000251_45.0217.C8.o5.tw	Method	TBLASTX:Wheat
Start	2669	End	3020
GI	none	Score	106
Exons	2669..3019, 2826..3020		

Seq. No.	33352	Seq. ID	OJ000251_45.0217.C8
Gene No.	69183	Strand	-
Start	1	End	3496
Name	OJ000251_45.0217.C8.o5.tm	Method	TBLASTX:Maize
Start	2714	End	3019
GI	none	Score	84
Exons	2714..3019, 2889..3005		

Seq. No.	33352	Seq. ID	OJ000251_45.0217.C8
Gene No.	69183	Strand	-
Start	1	End	3496
Name	OJ000251_45.0217.C8.o7.tw	Method	TBLASTX:Wheat
Start	3054	End	3253
GI	none	Score	114
Exons	3054..3230, 3056..3253		

Seq. No.	33353	Seq. ID	OJ000251_45.0217.C12
Gene No.	69184	Strand	+
Start	257	End	356
Name	OJ000251_45.0217.C12.o1.gs	Method	GENSCAN
Start	257	End	356
GI	none	Score	.77
Exons	257..356		

Seq. No.	33354	Seq. ID	OJ000251_45.0217.C13
Gene No.	69185	Strand	+
Start	129	End	397
Name	OJ000251_45.0217.C13.o1.gs	Method	GENSCAN
Start	129	End	397
GI	none	Score	.65
Exons	129..222, 323..397		

Seq. No.	33355	Seq. ID	OJ000251_45.0217.C16
Gene No.	69186	Strand	+
Start	526	End	1597
Name	OJ000251_45.0217.C16.o1.np	Method	AAT/NAP
Start	526	End	1597
GI	4680186	Score	253
Exons	526..579, 1392..1597		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	33355	Seq. ID	OJ000251_45.0217.C16
Gene No.	69187	Strand	-
Start	1142	End	1526
Name	OJ000251_45.0217.C16.o1.gp	Method	AAT/GAP
Start	1142	End	1526
GI	uC-osf1cyp033a04b1	Score	638
Exons	1142..1526		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	33356	Seq. ID	OJ000251_45.0217.C17
Gene No.	69188	Strand	+
Start	149	End	658
Name	OJ000251_45.0217.C17.o1.tm	Method	TBLASTX:Maize
Start	147	End	658
GI	none	Score	378
Exons	147..383, 148..384, 149..385, 512..658, 514..648		

Seq. No.	33356	Seq. ID	OJ000251_45.0217.C17
Gene No.	69188	Strand	+
Start	149	End	658
Name	OJ000251_45.0217.C17.o1.ts	Method	TBLASTX:Soybean
Start	147	End	324
GI	none	Score	216
Exons	147..302, 148..321, 190..324		

Seq. No.	33356	Seq. ID	OJ000251_45.0217.C17
Gene No.	69188	Strand	+
Start	149	End	658
Name	OJ000251_45.0217.C17.o1.gs	Method	GENSCAN
Start	149	End	613
GI	none	Score	.7

Exons	149..384, 515..613		
Seq. No.	33356	Seq. ID	OJ000251_45.0217.C17
Gene No.	69188	Strand	+
Start	149	End	658
Name	OJ000251_45.0217.C17.o1.np	Method	AAT/NAP
Start	188	End	658
GI	464873	Score	86
Exons	188..384, 515..658		
GI Descrip.	TRANSCRIPTION FACTOR IIIA (FACTOR A) (TFIIIA) gi|345624|pir||JC1441 transcription factor IIIA - northern leopard frog gi|213698 (M85211) transcription factor IIIA [Rana pipiens] gi|429061|emb|CAA41260| (X58369) transcription factor IIIA [Rana pipiens]		
Seq. No.	33357	Seq. ID	OJ000251_45.0217.C18
Gene No.	69189	Strand	-
Start	112	End	365
Name	OJ000251_45.0217.C18.o1.gs	Method	GENSCAN
Start	112	End	365
GI	none	Score	.68
Exons	112..365		
Seq. No.	33358	Seq. ID	OJ000251_45.0217.C20
Gene No.	69190	Strand	-
Start	1	End	101
Name	OJ000251_45.0217.C20.o1.gp	Method	AAT/GAP
Start	1	End	101
GI	3090468	Score	190
Exons	1..101		
Seq. No.	33358	Seq. ID	OJ000251_45.0217.C20
Gene No.	69191	Strand	-
Start	156	End	2845
Name	OJ000251_45.0217.C20.o1.np	Method	AAT/NAP
Start	156	End	2476
GI	2191129	Score	326
Exons	156..205, 1530..1690, 1775..1909, 2082..2348, 2441..2476		
GI Descrip.	(AF007269) similar to SPF1 DNA-binding protein [Arabidopsis thaliana]		
Seq. No.	33358	Seq. ID	OJ000251_45.0217.C20
Gene No.	69191	Strand	-
Start	156	End	2845
Name	OJ000251_45.0217.C20.o1.gs	Method	GENSCAN
Start	1189	End	2845
GI	none	Score	.96
Exons	1189..1690, 1775..1888, 2022..2556, 2794..2845		
Seq. No.	33358	Seq. ID	OJ000251_45.0217.C20
Gene No.	69191	Strand	-
Start	156	End	2845
Name	OJ000251_45.0217.C20.o1.ts	Method	TBLASTX:Soybean
Start	1531	End	1900
GI	none	Score	175
Exons	1531..1692, 1538..1693, 1774..1899, 1775..1900		

Seq. No.	33358	Seq. ID	OJ000251_45.0217.C20
Gene No.	69191	Strand	-
Start	156	End	2845
Name	OJ000251_45.0217.C20.o1.tw	Method	TBLASTX:Wheat
Start	1531	End	1842
GI	none	Score	106
Exons	1531..1692, 1580..1693, 1774..1842, 1775..1834		

Seq. No.	33358	Seq. ID	OJ000251_45.0217.C20
Gene No.	69191	Strand	-
Start	156	End	2845
Name	OJ000251_45.0217.C20.o1.tc	Method	TBLASTX:Cress
Start	1540	End	1872
GI	none	Score	134
Exons	1540..1692, 1541..1693, 1774..1872, 1775..1867		

Seq. No.	33358	Seq. ID	OJ000251_45.0217.C20
Gene No.	69191	Strand	-
Start	156	End	2845
Name	OJ000251_45.0217.C20.o1.tm	Method	TBLASTX:Maize
Start	1576	End	1842
GI	none	Score	103
Exons	1576..1692, 1580..1693, 1774..1842, 1775..1837		

Seq. No.	33359	Seq. ID	OJ000251_45.0217.C21
Gene No.	69192	Strand	-
Start	2417	End	8969
Name	OJ000251_45.0217.C21.o1.gs	Method	GENSCAN
Start	2417	End	8969
GI	none	Score	.7
Exons	2417..2544, 2571..2709, 3025..3232, 3258..3399, 8781..8969		

Seq. No.	33360	Seq. ID	OJ000251_45.0217.C22
Gene No.	69193	Strand	+
Start	1789	End	2892
Name	OJ000251_45.0217.C22.o1.gs	Method	GENSCAN
Start	1789	End	2892
GI	none	Score	.69
Exons	1789..1852, 2762..2892		

Seq. No.	33360	Seq. ID	OJ000251_45.0217.C22
Gene No.	69194	Strand	+
Start	4427	End	5027
Name	OJ000251_45.0217.C22.o1.np	Method	AAT/NAP
Start	4150	End	5027
GI	6721507	Score	154
Exons	4150..4404, 4676..4741, 4949..5027		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	33360	Seq. ID	OJ000251_45.0217.C22
Gene No.	69194	Strand	+
Start	4427	End	5027
Name	OJ000251_45.0217.C22.o2.gs	Method	GENSCAN
Start	4427	End	4821
GI	none	Score	.79
Exons	4427..4504, 4609..4821		

Seq. No.	33361	Seq. ID	OJ000251_45.0217.C23
Gene No.	69195	Strand	+
Start	1567	End	3661
Name	OJ000251_45.0217.C23.o1.np	Method	AAT/NAP
Start	1567	End	2716
GI	6539553	Score	1906
Exons	1567..2716		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	33361	Seq. ID	OJ000251_45.0217.C23
Gene No.	69195	Strand	+
Start	1567	End	3661
Name	OJ000251_45.0217.C23.o3.gs	Method	GENSCAN
Start	1658	End	3647
GI	none	Score	.4
Exons	1658..2491, 2528..2671, 3334..3469, 3521..3647		

Seq. No.	33361	Seq. ID	OJ000251_45.0217.C23
Gene No.	69195	Strand	+
Start	1567	End	3661
Name	OJ000251_45.0217.C23.o2.np	Method	AAT/NAP
Start	2924	End	3661
GI	4680183	Score	113
Exons	2924..2994, 3602..3661		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	33361	Seq. ID	OJ000251_45.0217.C23
Gene No.	69196	Strand	-
Start	1110	End	1397
Name	OJ000251_45.0217.C23.o2.gs	Method	GENSCAN
Start	1110	End	1397
GI	none	Score	.69
Exons	1110..1397		

Seq. No.	33361	Seq. ID	OJ000251_45.0217.C23
Gene No.	69197	Strand	
Start	1561	End	2007
Name	OJ000251_45.0217.C23.o1.tw	Method	TBLASTX:Wheat
Start	1561	End	1945
GI	none	Score	45
Exons	1561..1611, 1609..1944, 1610..1945		

Seq. No.	33361	Seq. ID	OJ000251_45.0217.C23
Gene No.	69197	Strand	
Start	1561	End	2007
Name	OJ000251_45.0217.C23.o1.tm	Method	TBLASTX:Maize
Start	1694	End	2007
GI	none	Score	355
Exons	1694..2002, 1702..2007, 1795..2004		

Seq. No.	33361	Seq. ID	OJ000251_45.0217.C23
Gene No.	69198	Strand	
Start	2506	End	2718
Name	OJ000251_45.0217.C23.o2.tm	Method	TBLASTX:Maize

Start	2506	End	2718
GI	none	Score	233
Exons	2506..2688, 2513..2713, 2514..2690, 2522..2716, 2533..2718		

Seq. No.	33362	Seq. ID	OJ000251_45.0217.C24
Gene No.	69199	Strand	+
Start	1	End	4420
Name	OJ000251_45.0217.C24.o2.np	Method	AAT/NAP
Start	1	End	4420
GI	6539553	Score	4646
Exons	1..26, 1658..4420		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	33362	Seq. ID	OJ000251_45.0217.C24
Gene No.	69199	Strand	+
Start	1	End	4420
Name	OJ000251_45.0217.C24.o1.np	Method	AAT/NAP
Start	178	End	1373
GI	5295955	Score	285
Exons	178..596, 725..1373		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome. (V01555) [Oryza sativa]		

Seq. No.	33362	Seq. ID	OJ000251_45.0217.C24
Gene No.	69199	Strand	+
Start	1	End	4420
Name	OJ000251_45.0217.C24.o1.gs	Method	GENSCAN
Start	215	End	823
GI	none	Score	.83
Exons	215..823		

Seq. No.	33362	Seq. ID	OJ000251_45.0217.C24
Gene No.	69199	Strand	+
Start	1	End	4420
Name	OJ000251_45.0217.C24.o4.tm	Method	TBLASTX:Maize
Start	1660	End	1861
GI	none	Score	166
Exons	1660..1776, 1661..1783, 1661..1783, 1798..1842, 1799..1861		

Seq. No.	33362	Seq. ID	OJ000251_45.0217.C24
Gene No.	69199	Strand	+
Start	1	End	4420
Name	OJ000251_45.0217.C24.o5.ts	Method	TBLASTX:Soybean
Start	1805	End	2191
GI	none	Score	85
Exons	1805..1960, 1943..2191		

Seq. No.	33362	Seq. ID	OJ000251_45.0217.C24
Gene No.	69199	Strand	+
Start	1	End	4420
Name	OJ000251_45.0217.C24.o3.tm	Method	TBLASTX:Maize
Start	1979	End	2413
GI	none	Score	276
Exons	1979..2413, 2188..2379		

Seq. No.	33362	Seq. ID	OJ000251_45.0217.C24
Gene No.	69199	Strand	+
Start	1	End	4420
Name	OJ000251_45.0217.C24.o4.tw	Method	TBLASTX:Wheat
Start	2057	End	2245
GI	none	Score	271
Exons	2057..2245, 2057..2242, 2112..2243		

Seq. No.	33362	Seq. ID	OJ000251_45.0217.C24
Gene No.	69199	Strand	+
Start	1	End	4420
Name	OJ000251_45.0217.C24.o3.ts	Method	TBLASTX:Soybean
Start	2201	End	2599
GI	none	Score	172
Exons	2201..2425, 2209..2379, 2426..2599, 2428..2472		

Seq. No.	33362	Seq. ID	OJ000251_45.0217.C24
Gene No.	69199	Strand	+
Start	1	End	4420
Name	OJ000251_45.0217.C24.o1.tw	Method	TBLASTX:Wheat
Start	2249	End	3004
GI	none	Score	944
Exons	2249..3004, 2257..2736, 2790..2984, 2845..3003		

Seq. No.	33362	Seq. ID	OJ000251_45.0217.C24
Gene No.	69199	Strand	+
Start	1	End	4420
Name	OJ000251_45.0217.C24.o1.ts	Method	TBLASTX:Soybean
Start	2930	End	3388
GI	5509260	Score	379
Exons	2930..3388, 3025..3093, 3142..3237, 3310..3369		
GI Descrip.	-		

Seq. No.	33362	Seq. ID	OJ000251_45.0217.C24
Gene No.	69199	Strand	+
Start	1	End	4420
Name	OJ000251_45.0217.C24.o1.tc	Method	TBLASTX:Cress
Start	3017	End	3277
GI	none	Score	286
Exons	3017..3277, 3019..3096, 3075..3137		

Seq. No.	33362	Seq. ID	OJ000251_45.0217.C24
Gene No.	69199	Strand	+
Start	1	End	4420
Name	OJ000251_45.0217.C24.o1.tm	Method	TBLASTX:Maize
Start	3059	End	3523
GI	none	Score	361
Exons	3059..3523, 3194..3523		

Seq. No.	33362	Seq. ID	OJ000251_45.0217.C24
Gene No.	69199	Strand	+
Start	1	End	4420
Name	OJ000251_45.0217.C24.o3.tw	Method	TBLASTX:Wheat
Start	3059	End	3604
GI	none	Score	319
Exons	3059..3403, 3398..3604		

Seq. No.	33362	Seq. ID	OJ000251_45.0217.C24
Gene No.	69199	Strand	+
Start	1	End	4420
Name	OJ000251_45.0217.C24.o2.ts	Method	TBLASTX:Soybean
Start	3457	End	3802
GI	none	Score	305
Exons	3457..3657, 3458..3802		

Seq. No.	33362	Seq. ID	OJ000251_45.0217.C24
Gene No.	69199	Strand	+
Start	1	End	4420
Name	OJ000251_45.0217.C24.o2.tm	Method	TBLASTX:Maize
Start	3620	End	3952
GI	none	Score	315
Exons	3620..3952, 3620..3937, 3628..3951		

Seq. No.	33362	Seq. ID	OJ000251_45.0217.C24
Gene No.	69199	Strand	+
Start	1	End	4420
Name	OJ000251_45.0217.C24.o2.tw	Method	TBLASTX:Wheat
Start	3808	End	4255
GI	none	Score	101
Exons	3808..3879, 3809..3883, 3898..4251, 3899..4255		

Seq. No.	33362	Seq. ID	OJ000251_45.0217.C24
Gene No.	69199	Strand	+
Start	1	End	4420
Name	OJ000251_45.0217.C24.o4.ts	Method	TBLASTX:Soybean
Start	3815	End	4156
GI	none	Score	91
Exons	3815..3928, 3841..3921, 3947..4156, 3952..4077		

Seq. No.	33363	Seq. ID	OJ000251_45.0217.C25
Gene No.	69200	Strand	+
Start	2018	End	3828
Name	OJ000251_45.0217.C25.o2.gp	Method	AAT/GAP
Start	2018	End	3828
GI	23235_1.R1084	Score	895
Exons	2018..2230, 3538..3828		
GI Descrip.	'3702317 4.0e-10 (AC005397) unknown protein [Arabidopsis thaliana] >gi_4559376_gb_AAD23036.1_AC006526_1 (AC006526) unknown protein.[Arabidopsis thaliana]'		

Seq. No.	33363	Seq. ID	OJ000251_45.0217.C25
Gene No.	69200	Strand	+
Start	2018	End	3828
Name	OJ000251_45.0217.C25.o1.np	Method	AAT/NAP
Start	2122	End	3644
GI	6850855	Score	151
Exons	2122..2230, 3538..3644		
GI Descrip.	(AL132959) putative protein [Arabidopsis thaliana]		

Seq. No.	33363	Seq. ID	OJ000251_45.0217.C25
Gene No.	69200	Strand	+
Start	5204	End	5374
Name	OJ000251_45.0217.C25.o2.np	Method	AAT/NAP

Start	5204	End	5374
GI	133933	Score	201
Exons	5204..5374		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 gi|1363605|pir||S58590 ribosomal protein S3 - maize chloroplast gi|12469|emb|CAA68427| (Y00340) ribosomal protein S3 [Zea mays] gi|902260|emb|CAA60324| (X86563) ribosomal protein S3 [Zea mays]		

Seq. No.	33363	Seq. ID	OJ000251_45.0217.C25
Gene No.	69202	Strand	-
Start	3715	End	6006
Name	OJ000251_45.0217.C25.o2.gs	Method	GENSCAN
Start	3715	End	6000
GI	none	Score	.95
Exons	3715..4021, 5954..6000		

Seq. No.	33363	Seq. ID	OJ000251_45.0217.C25
Gene No.	69202	Strand	-
Start	3715	End	6006
Name	OJ000251_45.0217.C25.o3.gp	Method	AAT/GAP
Start	5553	End	6006
GI	none	Score	202
Exons	5553..5574, 5655..5739, 5954..6006		

Seq. No.	33363	Seq. ID	OJ000251_45.0217.C25
Gene No.	69203	Strand	-
Start	7392	End	10491
Name	OJ000251_45.0217.C25.o2.tm	Method	TBLASTX:Maize
Start	3531	End	3657
GI	none	Score	189
Exons	3531..3656, 3533..3655, 3538..3657		

Seq. No.	33363	Seq. ID	OJ000251_45.0217.C25
Gene No.	69203	Strand	-
Start	7392	End	10491
Name	OJ000251_45.0217.C25.o1.ts	Method	TBLASTX:Soybean
Start	5203	End	5362
GI	none	Score	64
Exons	5203..5250, 5204..5263, 5204..5254, 5258..5362, 5262..5312, 5263..5361		

Seq. No.	33363	Seq. ID	OJ000251_45.0217.C25
Gene No.	69203	Strand	-
Start	7392	End	10491
Name	OJ000251_45.0217.C25.o1.tc	Method	TBLASTX:Cress
Start	5204	End	5582
GI	none	Score	64
Exons	5204..5263, 5204..5254, 5258..5371, 5262..5309, 5263..5376, 5348..5419, 5402..5494, 5541..5582		

Seq. No.	33363	Seq. ID	OJ000251_45.0217.C25
Gene No.	69203	Strand	-
Start	7392	End	10491
Name	OJ000251_45.0217.C25.o1.tm	Method	TBLASTX:Maize
Start	5207	End	5445
GI	none	Score	77
Exons	5207..5260, 5207..5260, 5254..5439, 5258..5419, 5259..5438,		

5326..5445

Seq. No.	33363	Seq. ID	OJ000251_45.0217.C25
Gene No.	69203	Strand	-
Start	7392	End	10491
Name	OJ000251_45.0217.C25.o3.gs	Method	GENSCAN
Start	7392	End	10491
GI	none	Score	.51
Exons	7392..7727, 8184..8255, 8481..8531, 8854..8933, 10374..10491		

Seq. No.	33364	Seq. ID	OJ000251_45.0217.C26
Gene No.	69204	Strand	+
Start	1531	End	5044
Name	OJ000251_45.0217.C26.o1.gp	Method	AAT/GAP
Start	1531	End	2042
GI	uC-osf1M202052c07b1	Score	999
Exons	1531..2042		
GI Descrip.	'4234848 1.0e-12 (AF082131) gag-pol polyprotein [Zea mays]'		

Seq. No.	33364	Seq. ID	OJ000251_45.0217.C26
Gene No.	69204	Strand	+
Start	1531	End	5044
Name	OJ000251_45.0217.C26.o1.np	Method	AAT/NAP
Start	1641	End	5044
GI	4234852	Score	2179
Exons	1641..1817, 1851..5044		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	33364	Seq. ID	OJ000251_45.0217.C26
Gene No.	69204	Strand	+
Start	1531	End	5044
Name	OJ000251_45.0217.C26.o1.tm	Method	TBLASTX:Maize
Start	1734	End	2730
GI	none	Score	475
Exons	1734..2312, 1856..2302, 2058..2336, 2589..2651, 2590..2730		

Seq. No.	33364	Seq. ID	OJ000251_45.0217.C26
Gene No.	69204	Strand	+
Start	1531	End	5044
Name	OJ000251_45.0217.C26.o2.gp	Method	AAT/GAP
Start	2274	End	2841
GI	uC-osf1cyp006a10b1	Score	816
Exons	2274..2485, 2593..2841		
GI Descrip.	'4234846 7.0e-13 (AF082130) gag-pol polyprotein [Zea mays]'		

Seq. No.	33364	Seq. ID	OJ000251_45.0217.C26
Gene No.	69204	Strand	+
Start	1531	End	5044
Name	OJ000251_45.0217.C26.o1.ts	Method	TBLASTX:Soybean
Start	3607	End	4021
GI	5509260	Score	315
Exons	3607..3960, 3608..4021		
GI Descrip.	-		

Seq. No.	33364	Seq. ID	OJ000251_45.0217.C26
Gene No.	69204	Strand	+
Start	1531	End	5044

Name	OJ000251_45.0217.C26.o2.tm	Method	TBLASTX:Maize
Start	3607	End	3907
GI	none	Score	252
Exons	3607..3906, 3608..3907		

Seq. No.	33364	Seq. ID	OJ000251_45.0217.C26
Gene No.	69204	Strand	+
Start	1531	End	5044
Name	OJ000251_45.0217.C26.o1.tc	Method	TBLASTX:Cress
Start	3686	End	3946
GI	none	Score	239
Exons	3686..3946, 3688..3924		

Seq. No.	33364	Seq. ID	OJ000251_45.0217.C26
Gene No.	69204	Strand	+
Start	1531	End	5044
Name	OJ000251_45.0217.C26.o1.tw	Method	TBLASTX:Wheat
Start	3727	End	4510
GI	none	Score	295
Exons	3727..4011, 3728..4012, 3880..4029, 4017..4100, 4107..4325, 4135..4371, 4143..4325, 4304..4510, 4312..4506		

Seq. No.	33364	Seq. ID	OJ000251_45.0217.C26
Gene No.	69204	Strand	+
Start	1531	End	5044
Name	OJ000251_45.0217.C26.o3.tm	Method	TBLASTX:Maize
Start	4316	End	4600
GI	none	Score	230
Exons	4316..4600, 4450..4590		

Seq. No.	33364	Seq. ID	OJ000251_45.0217.C26
Gene No.	69204	Strand	+
Start	1531	End	5044
Name	OJ000251_45.0217.C26.o2.tw	Method	TBLASTX:Wheat
Start	4669	End	5044
GI	none	Score	138
Exons	4669..4842, 4701..4841, 4850..5044		

Seq. No.	33365	Seq. ID	OJ000251_45.0217.C28
Gene No.	69205	Strand	-
Start	1899	End	2071
Name	OJ000251_45.0217.C28.o1.gp	Method	AAT/GAP
Start	1899	End	2071
GI	LIB3433-026-P1-K1-C1	Score	242
Exons	1899..2071		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	33365	Seq. ID	OJ000251_45.0217.C28
Gene No.	69206	Strand	-
Start	2455	End	2718
Name	OJ000251_45.0217.C28.o1.np	Method	AAT/NAP
Start	2455	End	2718
GI	6063554	Score	104
Exons	2455..2718		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	33366	Seq. ID	OJ000251_45.0217.C29
Gene No.	69207	Strand	+
Start	2079	End	6072
Name	OJ000251_45.0217.C29.o1.gs	Method	GENSCAN
Start	2079	End	6072
GI	none	Score	.57
Exons	2079..2489, 2540..2814, 4213..4591, 5581..5922, 5947..6072		

Seq. No.	33366	Seq. ID	OJ000251_45.0217.C29
Gene No.	69207	Strand	+
Start	2079	End	6072
Name	OJ000251_45.0217.C29.o1.gp	Method	AAT/GAP
Start	4185	End	4503
GI	5004561	Score	606
Exons	4185..4503		

Seq. No.	33366	Seq. ID	OJ000251_45.0217.C29
Gene No.	69208	Strand	+
Start	6130	End	6387
Name	OJ000251_45.0217.C29.o2.gp	Method	AAT/GAP
Start	6130	End	6387
GI	none	Score	464
Exons	6130..6387		

Seq. No.	33366	Seq. ID	OJ000251_45.0217.C29
Gene No.	69209	Strand	+
Start	7573	End	7682
Name	OJ000251_45.0217.C29.o2.np	Method	AAT/NAP
Start	7573	End	7682
GI	5777617	Score	79
Exons	7573..7682		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	33366	Seq. ID	OJ000251_45.0217.C29
Gene No.	69210	Strand	-
Start	865	End	2435
Name	OJ000251_45.0217.C29.o1.np	Method	AAT/NAP
Start	865	End	2435
GI	6063554	Score	159
Exons	865..1039, 2198..2435		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33367	Seq. ID	OJ000251_45.0217.C30
Gene No.	69211	Strand	+
Start	330	End	2137
Name	OJ000251_45.0217.C30.o1.gs	Method	GENSCAN
Start	330	End	2137
GI	none	Score	.7
Exons	330..552, 708..848, 1977..2137		

Seq. No.	33367	Seq. ID	OJ000251_45.0217.C30
Gene No.	69212	Strand	+
Start	3513	End	5839

Name	OJ000251_45.0217.C30.o1.ts	Method	TBLASTX:Soybean
Start	3480	End	3845
GI	none	Score	215
Exons	3480..3728, 3482..3727, 3717..3845, 3737..3835		

Seq. No.	33367	Seq. ID	OJ000251_45.0217.C30
Gene No.	69212	Strand	+
Start	3513	End	5839
Name	OJ000251_45.0217.C30.o1.tm	Method	TBLASTX:Maize
Start	3503	End	3768
GI	none	Score	294
Exons	3503..3748, 3504..3752, 3504..3749, 3505..3768		

Seq. No.	33367	Seq. ID	OJ000251_45.0217.C30
Gene No.	69212	Strand	+
Start	3513	End	5839
Name	OJ000251_45.0217.C30.o1.np	Method	AAT/NAP
Start	3513	End	5839
GI	5001454	Score	175
Exons	3513..3885, 5757..5839		
GI Descrip.	(AC007730) putative non-LTR retrolelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	33367	Seq. ID	OJ000251_45.0217.C30
Gene No.	69212	Strand	+
Start	3513	End	5839
Name	OJ000251_45.0217.C30.o1.tw	Method	TBLASTX:Wheat
Start	3525	End	3886
GI	none	Score	224
Exons	3525..3824, 3608..3850, 3821..3886		

Seq. No.	33367	Seq. ID	OJ000251_45.0217.C30
Gene No.	69212	Strand	+
Start	3513	End	5839
Name	OJ000251_45.0217.C30.o2.np	Method	AAT/NAP
Start	4820	End	5839
GI	6907088	Score	554
Exons	4820..4957, 5133..5379, 5819..5839		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	33367	Seq. ID	OJ000251_45.0217.C30
Gene No.	69212	Strand	+
Start	3513	End	5839
Name	OJ000251_45.0217.C30.o3.np	Method	AAT/NAP
Start	5513	End	5839
GI	6069659	Score	98
Exons	5513..5632, 5794..5839		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	33368	Seq. ID	OJ000251_45.0217.C31
Gene No.	69213	Strand	+
Start	1	End	763
Name	OJ000251_45.0217.C31.o1.np	Method	AAT/NAP
Start	1	End	763
GI	5734635	Score	234
Exons	1..763		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	33368	Seq. ID	OJ000251_45.0217.C31
Gene No.	69213	Strand	+
Start	1	End	763
Name	OJ000251_45.0217.C31.o1.gs	Method	GENSCAN
Start	324	End	673
GI	none	Score	.98
Exons	324..673		

Seq. No.	33369	Seq. ID	OJ000251_45.0217.C36
Gene No.	69214	Strand	+
Start	26	End	740
Name	OJ000251_45.0217.C36.o1.gs	Method	GENSCAN
Start	26	End	692
GI	none	Score	.7
Exons	26..692		

Seq. No.	33369	Seq. ID	OJ000251_45.0217.C36
Gene No.	69214	Strand	+
Start	26	End	740
Name	OJ000251_45.0217.C36.o1.np	Method	AAT/NAP
Start	278	End	740
GI	729704	Score	51
Exons	278..406, 629..740		
GI Descrip.	DNA-BINDING PROTEIN HEXBP (HEXAMER-BINDING PROTEIN) gi|1078700|pir||A47156 hexamer-binding protein HEXBP - Leishmania major gi|159342 (M94390) HEXBP DNA binding protein [Leishmania major]		

Seq. No.	33370	Seq. ID	OJ000251_45.0217.C37
Gene No.	69215	Strand	+
Start	180	End	788
Name	OJ000251_45.0217.C37.o1.gs	Method	GENSCAN
Start	180	End	788
GI	none	Score	.53
Exons	180..295, 626..788		

Seq. No.	33371	Seq. ID	OJ000251_45.0217.C38
Gene No.	69216	Strand	+
Start	303	End	419
Name	OJ000251_45.0217.C38.o1.gs	Method	GENSCAN
Start	303	End	419
GI	none	Score	.4
Exons	303..419		

Seq. No.	33372	Seq. ID	OJ000251_45.0217.C39
Gene No.	69217	Strand	+
Start	126	End	1343
Name	OJ000251_45.0217.C39.o1.np	Method	AAT/NAP
Start	126	End	1343
GI	6907087	Score	1044
Exons	126..503, 701..1343		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33372	Seq. ID	OJ000251_45.0217.C39

Gene No.	69217	Strand	+
Start	126	End	1343
Name	OJ000251_45.0217.C39.o1.gs	Method	GENSCAN
Start	361	End	1317
GI	none	Score	.59
Exons	361..1317		

Seq. No.	33373	Seq. ID	OJ000251_45.0217.C43
Gene No.	69218	Strand	+
Start	1	End	765
Name	OJ000251_45.0217.C43.o1.np	Method	AAT/NAP
Start	1	End	542
GI	5852180	Score	52
Exons	1..43, 478..542		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	33373	Seq. ID	OJ000251_45.0217.C43
Gene No.	69218	Strand	+
Start	1	End	765
Name	OJ000251_45.0217.C43.o2.np	Method	AAT/NAP
Start	1	End	765
GI	4680186	Score	195
Exons	1..31, 640..765		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	33373	Seq. ID	OJ000251_45.0217.C43
Gene No.	69219	Strand	-
Start	389	End	765
Name	OJ000251_45.0217.C43.o1.gp	Method	AAT/GAP
Start	389	End	765
GI	uC-osflcyp033a04b1	Score	675
Exons	389..765		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	33374	Seq. ID	OJ000251_44.0216.C1
Gene No.	69220	Strand	-
Start	1	End	249
Name	OJ000251_44.0216.C1.o1.np	Method	AAT/NAP
Start	1	End	249
GI	2498930	Score	65
Exons	1..22, 190..249		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	33375	Seq. ID	OJ000251_44.0216.C2
Gene No.	69222	Strand	-
Start	409	End	481
Name	OJ000251_44.0216.C2.o1.tm	Method	TBLASTX:Maize
Start	1	End	378
GI	none	Score	72
Exons	1..177, 2..190, 255..377, 256..378		

Seq. No.	33375	Seq. ID	OJ000251_44.0216.C2
Gene No.	69222	Strand	-
Start	409	End	481
Name	OJ000251_44.0216.C2.o1.gs	Method	GENSCAN

Start	409	End	481
GI	none	Score	.75
Exons	409..481		

Seq. No.	33376	Seq. ID	OJ000251_44.0216.C3
Gene No.	69223	Strand	+
Start	3067	End	11692
Name	OJ000251_44.0216.C3.o1.gp	Method	AAT/GAP
Start	3037	End	3395
GI	63612_1.R1084	Score	663
Exons	3037..3395		
GI Descrip.	'2586127 5.0e-18 (U89510) b-keto acyl reductase [Hordeum vulgare]'		

Seq. No.	33376	Seq. ID	OJ000251_44.0216.C3
Gene No.	69223	Strand	+
Start	3067	End	11692
Name	OJ000251_44.0216.C3.o2.gs	Method	GENSCAN
Start	3067	End	6337
GI	none	Score	.8
Exons	3067..3752, 5608..5630, 5874..6337		

Seq. No.	33376	Seq. ID	OJ000251_44.0216.C3
Gene No.	69223	Strand	+
Start	3067	End	11692
Name	OJ000251_44.0216.C3.o1.np	Method	AAT/NAP
Start	3082	End	10729
GI	2586127	Score	780
Exons	3082..3752, 8856..8925, 10481..10729		
GI Descrip.	(U89510) b-keto acyl reductase [Hordeum vulgare]		

Seq. No.	33376	Seq. ID	OJ000251_44.0216.C3
Gene No.	69223	Strand	+
Start	3067	End	11692
Name	OJ000251_44.0216.C3.o4.gs	Method	GENSCAN
Start	10505	End	11692
GI	none	Score	.76
Exons	10505..10718, 11625..11692		

Seq. No.	33376	Seq. ID	OJ000251_44.0216.C3
Gene No.	69224	Strand	-
Start	329	End	401
Name	OJ000251_44.0216.C3.o1.gs	Method	GENSCAN
Start	329	End	401
GI	none	Score	.96
Exons	329..401		

Seq. No.	33376	Seq. ID	OJ000251_44.0216.C3
Gene No.	69225	Strand	-
Start	8979	End	9813
Name	OJ000251_44.0216.C3.o3.gs	Method	GENSCAN
Start	8979	End	9813
GI	none	Score	.83
Exons	8979..9104, 9175..9327, 9463..9813		

Seq. No.	33376	Seq. ID	OJ000251_44.0216.C3
Gene No.	69226	Strand	-

Start	12770	End	13335
Name	OJ000251_44.0216.C3.o1.tm	Method	TBLASTX:Maize
Start	3120	End	10702
GI	none	Score	241
Exons	3120..3392, 3121..3393, 3403..3438, 3445..3762, 8856..8927, 8857..8940, 10478..10702, 10483..10653		

Seq. No.	33376	Seq. ID	OJ000251_44.0216.C3
Gene No.	69226	Strand	-
Start	12770	End	13335
Name	OJ000251_44.0216.C3.o2.ts	Method	TBLASTX:Soybean
Start	3120	End	3450
GI	none	Score	45
Exons	3120..3230, 3121..3231, 3235..3450, 3240..3281		

Seq. No.	33376	Seq. ID	OJ000251_44.0216.C3
Gene No.	69226	Strand	-
Start	12770	End	13335
Name	OJ000251_44.0216.C3.o1.tc	Method	TBLASTX:Cress
Start	3235	End	3654
GI	none	Score	187
Exons	3235..3450, 3457..3654		

Seq. No.	33376	Seq. ID	OJ000251_44.0216.C3
Gene No.	69226	Strand	-
Start	12770	End	13335
Name	OJ000251_44.0216.C3.o1.ts	Method	TBLASTX:Soybean
Start	3499	End	10675
GI	none	Score	181
Exons	3499..3753, 8857..8940, 10437..10670, 10478..10675, 10483..10674		

Seq. No.	33376	Seq. ID	OJ000251_44.0216.C3
Gene No.	69226	Strand	-
Start	12770	End	13335
Name	OJ000251_44.0216.C3.o1.tw	Method	TBLASTX:Wheat
Start	3712	End	10681
GI	none	Score	58
Exons	3712..3762, 8856..8927, 8857..8940, 10436..10651, 10478..10681, 10483..10674		

Seq. No.	33376	Seq. ID	OJ000251_44.0216.C3
Gene No.	69226	Strand	-
Start	12770	End	13335
Name	OJ000251_44.0216.C3.o2.np	Method	AAT/NAP
Start	12770	End	13335
GI	5902444	Score	403
Exons	12770..13335		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	33377	Seq. ID	OJ000251_44.0216.C4
Gene No.	69227	Strand	+
Start	19112	End	21865
Name	OJ000251_44.0216.C4.o4.np	Method	AAT/NAP
Start	19112	End	21856
GI	3033399	Score	1537
Exons	19112..19259, 20130..21856		
GI Descrip.	(AC004238) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33377	Seq. ID	OJ000251_44.0216.C4
Gene No.	69227	Strand	+
Start	19112	End	21865
Name	OJ000251_44.0216.C4.o5.gs	Method	GENSCAN
Start	19997	End	21865
GI	none	Score	.98
Exons	19997..21865		

Seq. No.	33377	Seq. ID	OJ000251_44.0216.C4
Gene No.	69228	Strand	+
Start	23621	End	30969
Name	OJ000251_44.0216.C4.o6.gs	Method	GENSCAN
Start	23621	End	30969
GI	none	Score	.52
Exons	23621..23750, 24648..24780, 25051..25186, 28997..29273, 29487..29672, 29925..30260, 30809..30969		

Seq. No.	33377	Seq. ID	OJ000251_44.0216.C4
Gene No.	69229	Strand	-
Start	1	End	13053
Name	OJ000251_44.0216.C4.o1.np	Method	AAT/NAP
Start	1	End	3037
GI	5902444	Score	456
Exons	1..1013, 2997..3037		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	33377	Seq. ID	OJ000251_44.0216.C4
Gene No.	69229	Strand	-
Start	1	End	13053
Name	OJ000251_44.0216.C4.o2.np	Method	AAT/NAP
Start	1738	End	4101
GI	6934300	Score	133
Exons	1738..1810, 3674..3751, 3837..3935, 4024..4101		
GI Descrip.	(AF221857) unknown [Euphorbia esula]		

Seq. No.	33377	Seq. ID	OJ000251_44.0216.C4
Gene No.	69229	Strand	-
Start	1	End	13053
Name	OJ000251_44.0216.C4.o2.gs	Method	GENSCAN
Start	3617	End	12985
GI	none	Score	.74
Exons	3617..3807, 3837..3931, 3989..4424, 5240..5264, 5848..5893, 6020..6133, 6449..6570, 6674..6745, 7977..8126, 11572..11707, 11773..11917, 12076..12178, 12292..12491, 12558..12703, 12807..12985		

Seq. No.	33377	Seq. ID	OJ000251_44.0216.C4
Gene No.	69229	Strand	-
Start	1	End	13053
Name	OJ000251_44.0216.C4.o1.gp	Method	AAT/GAP
Start	5093	End	8262
GI	15766_1.R1084	Score	1391
Exons	5093..5419, 5848..5893, 6020..6133, 6449..6570, 6674..6745, 7977..8074, 8241..8262		
GI Descrip.	'3169175/gb|AAC17818.1| 2.0e-36 (AC004401) putative serine carboxypeptidase I [Arabidopsis thaliana]'		

Seq. No.	33377	Seq. ID	OJ000251_44.0216.C4
Gene No.	69229	Strand	-
Start	1	End	13053
Name	OJ000251_44.0216.C4.o3.np	Method	AAT/NAP
Start	5339	End	12931
GI	6119535	Score	722
Exons	5339..5419, 5848..5893, 6020..6133, 6449..6570, 6674..6804, 11562..11643, 11758..11879, 12043..12178, 12292..12491, 12558..12703, 12807..12931		
GI Descrip.	(AC011560) putative glucose acyltransferase [Arabidopsis thaliana]		

Seq. No.	33377	Seq. ID	OJ000251_44.0216.C4
Gene No.	69229	Strand	-
Start	1	End	13053
Name	OJ000251_44.0216.C4.o2.gp	Method	AAT/GAP
Start	11803	End	12195
GI	none	Score	317
Exons	11803..11874, 11948..11985, 12076..12195		

Seq. No.	33377	Seq. ID	OJ000251_44.0216.C4
Gene No.	69229	Strand	-
Start	1	End	13053
Name	OJ000251_44.0216.C4.o3.gp	Method	AAT/GAP
Start	12317	End	13053
GI	25125_1.R1084	Score	999
Exons	12317..12491, 12558..12703, 12807..13053		
GI Descrip.	'3169174/gb|AAC17817.1| 4.0e-30 (AC004401) putative serine carboxypeptidase I [Arabidopsis thaliana]'		

Seq. No.	33377	Seq. ID	OJ000251_44.0216.C4
Gene No.	69230	Strand	-
Start	17174	End	18839
Name	OJ000251_44.0216.C4.o4.gs	Method	GENSCAN
Start	17174	End	18839
GI	none	Score	.65
Exons	17174..17392, 18332..18498, 18550..18611, 18796..18839		

Seq. No.	33377	Seq. ID	OJ000251_44.0216.C4
Gene No.	69231	Strand	-
Start	23716	End	27520
Name	OJ000251_44.0216.C4.o5.np	Method	AAT/NAP
Start	23716	End	27520
GI	6721547	Score	90
Exons	23716..23768, 27428..27520		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	33377	Seq. ID	OJ000251_44.0216.C4
Gene No.	69232	Strand	-
Start	29997	End	30168
Name	OJ000251_44.0216.C4.o4.tc	Method	TBLASTX:Cress
Start	3713	End	4176
GI	none	Score	64
Exons	3713..3754, 3760..3894, 3834..3920, 4024..4176		

Seq. No.	33377	Seq. ID	OJ000251_44.0216.C4

Gene No.	69232	Strand	-
Start	29997	End	30168
Name	OJ000251_44.0216.C4.o2.tm	Method	TBLASTX:Maize
Start	5336	End	12672
GI	none	Score	91
Exons	5336..5422, 5349..5426, 5848..5892, 6017..6163, 6017..6130, 6019..6144, 6421..6456, 6449..6577, 6451..6570, 6674..6745, 6675..6734, 8058..8144, 11569..11658, 11757..11876, 11764..11880, 11789..11875, 12072..12185, 12074..12184, 12292..12492, 12326..12493, 12556..12624, 12557..12625, 12628..12672		

Seq. No.	33377	Seq. ID	OJ000251_44.0216.C4
Gene No.	69232	Strand	-
Start	29997	End	30168
Name	OJ000251_44.0216.C4.o4.ts	Method	TBLASTX:Soybean
Start	5336	End	6154
GI	none	Score	98
Exons	5336..5422, 5352..5423, 5848..5901, 6017..6133, 6019..6144, 6020..6154		

Seq. No.	33377	Seq. ID	OJ000251_44.0216.C4
Gene No.	69232	Strand	-
Start	29997	End	30168
Name	OJ000251_44.0216.C4.o2.ts	Method	TBLASTX:Soybean
Start	6451	End	12859
GI	none	Score	51
Exons	6451..6531, 6544..6570, 11767..11823, 11848..11880, 12071..12181, 12286..12492, 12556..12702, 12806..12859		

Seq. No.	33377	Seq. ID	OJ000251_44.0216.C4
Gene No.	69232	Strand	-
Start	29997	End	30168
Name	OJ000251_44.0216.C4.o2.tc	Method	TBLASTX:Cress
Start	11773	End	12871
GI	none	Score	58
Exons	11773..11877, 12071..12184, 12292..12492, 12362..12499, 12556..12702, 12557..12637, 12806..12871		

Seq. No.	33377	Seq. ID	OJ000251_44.0216.C4
Gene No.	69232	Strand	-
Start	29997	End	30168
Name	OJ000251_44.0216.C4.o2.tw	Method	TBLASTX;Wheat
Start	11779	End	20214
GI	none	Score	58
Exons	11779..11880, 11789..11884, 12077..12181, 12292..12465, 12338..12466, 20134..20214		

Seq. No.	33377	Seq. ID	OJ000251_44.0216.C4
Gene No.	69232	Strand	-
Start	29997	End	30168
Name	OJ000251_44.0216.C4.o1.tm	Method	TBLASTX:Maize
Start	20100	End	21807
GI	none	Score	77
Exons	20100..20228, 20114..20296, 20170..20286, 20294..20386, 20300..20377, 20321..20494, 20321..20485, 20539..20655, 20540..20656, 20594..20758, 20642..20758, 20657..20851,		

20669..20758, 20690..20851, 20780..21058, 20816..20980,
20846..21247, 20957..21487, 20957..21283, 21091..21453,
21470..21790, 21481..21807

Seq. No.	33377	Seq. ID	OJ000251_44.0216.C4
Gene No.	69232	Strand	-
Start	29997	End	30168
Name	OJ000251_44.0216.C4.o1.tc	Method	TBLASTX:Cress
Start	20147	End	21373
GI	none	Score	91
Exons	20147..20287, 20159..20308, 20159..20308, 20300..20539, 20318..20479, 20324..20587, 20411..20665, 20417..20572, 20485..20772, 20504..20809, 20528..20698, 20534..20809, 20555..20830, 20576..20758, 20582..20851, 20690..21277, 20768..20959, 20915..21190, 21067..21225, 21131..21373, 21248..21358		

Seq. No.	33377	Seq. ID	OJ000251_44.0216.C4
Gene No.	69232	Strand	-
Start	29997	End	30168
Name	OJ000251_44.0216.C4.o3.ts	Method	TBLASTX:Soybean
Start	20150	End	21201
GI	none	Score	81
Exons	20150..20281, 20303..20401, 20447..20572, 20528..20656, 20618..20758, 20639..20809, 20819..21181, 20831..21040, 21073..21201		

Seq. No.	33377	Seq. ID	OJ000251_44.0216.C4
Gene No.	69232	Strand	-
Start	29997	End	30168
Name	OJ000251_44.0216.C4.o1.tw	Method	TBLASTX:Wheat
Start	20300	End	21439
GI	none	Score	73
Exons	20300..20401, 20306..20479, 20399..20572, 20528..20680, 20585..20806, 20618..20806, 20678..20866, 20819..21034, 20921..21391, 21100..21225, 21215..21331, 21265..21396, 21392..21439		

Seq. No.	33377	Seq. ID	OJ000251_44.0216.C4
Gene No.	69232	Strand	-
Start	29997	End	30168
Name	OJ000251_44.0216.C4.o1.ts	Method	TBLASTX:Soybean
Start	21251	End	21790
GI	none	Score	177
Exons	21251..21472, 21485..21790, 21487..21747, 21575..21757		

Seq. No.	33377	Seq. ID	OJ000251_44.0216.C4
Gene No.	69232	Strand	-
Start	29997	End	30168
Name	OJ000251_44.0216.C4.o3.tc	Method	TBLASTX:Cress
Start	21560	End	21825
GI	none	Score	227
Exons	21560..21823, 21562..21825		

Seq. No.	33377	Seq. ID	OJ000251_44.0216.C4
Gene No.	69232	Strand	-
Start	29997	End	30168

Name	OJ000251_44.0216.C4.o4.gp	Method	AAT/GAP
Start	29997	End	30168
GI	14604_1.R1084	Score	313
Exons	29997..30168		
GI Descrip.	'3763916 1.0e-145 (AC004450) unknown protein [Arabidopsis thaliana] >gi_4531439_gb_AAD22124.1_AC006224_6 (AC006224) unknown protein [Arabidopsis thaliana]'		

Seq. No.	33378	Seq. ID	OJ000251_44.0216.C5
Gene No.	69233	Strand	+
Start	27	End	5034
Name	OJ000251_44.0216.C5.o1.gs	Method	GENSCAN
Start	27	End	4800
GI	none	Score	.43
Exons	27..84, 1199..1368, 1466..1577, 1662..1781, 3381..3538, 4173..4349, 4516..4550, 4644..4800		

Seq. No.	33378	Seq. ID	OJ000251_44.0216.C5
Gene No.	69233	Strand	+
Start	27	End	5034
Name	OJ000251_44.0216.C5.o2.np	Method	AAT/NAP
Start	184	End	5034
GI	6456163	Score	516
Exons	184..291, 1171..1368, 1466..1577, 1662..1781, 3381..3550, 4188..4349, 4516..4550, 4644..4800, 5015..5034		
GI Descrip.	(AC011622) unknown protein [Arabidopsis thaliana]		

Seq. No.	33378	Seq. ID	OJ000251_44.0216.C5
Gene No.	69233	Strand	+
Start	27	End	5034
Name	OJ000251_44.0216.C5.o1.gp	Method	AAT/GAP
Start	1210	End	4804
GI	14604_1.R1084	Score	1663
Exons	1210..1368, 1466..1577, 1662..1781, 3381..3538, 4173..4349, 4516..4550, 4644..4804		
GI Descrip.	'3763916 1.0e-145 (AC004450) unknown protein [Arabidopsis thaliana] >gi_4531439_gb_AAD22124.1_AC006224_6 (AC006224) unknown protein [Arabidopsis thaliana]'		

Seq. No.	33378	Seq. ID	OJ000251_44.0216.C5
Gene No.	69234	Strand	-
Start	1	End	1124
Name	OJ000251_44.0216.C5.o1.np	Method	AAT/NAP
Start	1	End	1124
GI	5852093	Score	43
Exons	1..89, 1033..1124		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	33378	Seq. ID	OJ000251_44.0216.C5
Gene No.	69235	Strand	
Start	1201	End	4805
Name	OJ000251_44.0216.C5.o1.tm	Method	TBLASTX:Maize
Start	1201	End	4805
GI	none	Score	238
Exons	1201..1371, 1209..1367, 1447..1578, 1463..1594, 1463..1576, 1659..1685, 1661..1777, 1664..1777, 3373..3540, 3374..3538, 3382..3543, 4167..4349, 4170..4349, 4235..4351, 4510..4551,		

4515..4550, 4629..4805, 4642..4800

Seq. No.	33378	Seq. ID	OJ000251_44.0216.C5
Gene No.	69235	Strand	
Start	1201	End	4805
Name	OJ000251_44.0216.C5.o1.ts	Method	TBLASTX:Soybean
Start	1201	End	3517
GI	none	Score	121
Exons	1201..1371, 1475..1576, 1478..1594, 1661..1765, 1661..1732, 3374..3517, 3379..3513		

Seq. No.	33378	Seq. ID	OJ000251_44.0216.C5
Gene No.	69235	Strand	
Start	1201	End	4805
Name	OJ000251_44.0216.C5.o1.tw	Method	TBLASTX:Wheat
Start	4185	End	4682
GI	none	Score	248
Exons	4185..4367, 4185..4355, 4235..4375, 4244..4372, 4321..4413, 4507..4551, 4512..4538, 4641..4682		

Seq. No.	33378	Seq. ID	OJ000251_44.0216.C5
Gene No.	69235	Strand	
Start	1201	End	4805
Name	OJ000251_44.0216.C5.o2.ts	Method	TBLASTX:Soybean
Start	4206	End	4713
GI	none	Score	197
Exons	4206..4349, 4292..4378, 4292..4348, 4510..4551, 4642..4713		

Seq. No.	33379	Seq. ID	OJ000251_44.0216.C8
Gene No.	69236	Strand	-
Start	1329	End	1430
Name	OJ000251_44.0216.C8.o1.gs	Method	GENSCAN
Start	1329	End	1430
GI	none	Score	.79
Exons	1329..1430		

Seq. No.	33380	Seq. ID	OJ000251_44.0216.C9
Gene No.	69237	Strand	+
Start	993	End	2324
Name	OJ000251_44.0216.C9.o1.gs	Method	GENSCAN
Start	993	End	2324
GI	none	Score	.57
Exons	993..1145, 1373..1444, 1554..1675, 2264..2324		

Seq. No.	33380	Seq. ID	OJ000251_44.0216.C9
Gene No.	69237	Strand	+
Start	993	End	2324
Name	OJ000251_44.0216.C9.o1.tm	Method	TBLASTX:Maize
Start	1373	End	1675
GI	none	Score	89
Exons	1373..1444, 1384..1443, 1545..1673, 1553..1675		

Seq. No.	33380	Seq. ID	OJ000251_44.0216.C9
Gene No.	69237	Strand	+
Start	993	End	2324
Name	OJ000251_44.0216.C9.o1.np	Method	AAT/NAP
Start	1375	End	1675

GI	3169171	Score	85
Exons	1375..1444, 1554..1675		
GI Descrip.	(AC004401) putative serine carboxypeptidase II [Arabidopsis thaliana]		

Seq. No.	33381	Seq. ID	OJ000251_44.0216.C11
Gene No.	69238	Strand	+
Start	1	End	628
Name	OJ000251_44.0216.C11.o1.np	Method	AAT/NAP
Start	1	End	617
GI	2130089	Score	151
Exons	1..78, 160..285, 548..617		
GI Descrip.	2-oxoglutarate/malate translocator (clone OMT103), mitochondrial membrane - proso millet gi|1100743|dbj|BAA08105| (D45075) 2-oxoglutarate/malate translocator [Panicum miliaceum]		

Seq. No.	33381	Seq. ID	OJ000251_44.0216.C11
Gene No.	69238	Strand	+
Start	1	End	628
Name	OJ000251_44.0216.C11.o1.gs	Method	GENSCAN
Start	148	End	628
GI	none	Score	.5
Exons	148..285, 548..628		

Seq. No.	33381	Seq. ID	OJ000251_44.0216.C11
Gene No.	69239	Strand	-
Start	193	End	414
Name	OJ000251_44.0216.C11.o1.gp	Method	AAT/GAP
Start	193	End	414
GI	762_3.R1084	Score	389
Exons	193..414		
GI Descrip.	'2130089/pir||S65042 6.0e-23 2-oxoglutarate/malate translocator (clone OMT103), mitochondrial membrane - proso millet >gi_1100743_dbj_BAA08105_ (D45075) 2-oxoglutarate/malate translocator [Panicum miliaceum]'		

Seq. No.	33382	Seq. ID	OJ000251_44.0216.C14
Gene No.	69240	Strand	+
Start	40	End	647
Name	OJ000251_44.0216.C14.o1.gs	Method	GENSCAN
Start	40	End	647
GI	none	Score	.89
Exons	40..98, 284..392, 522..647		

Seq. No.	33383	Seq. ID	OJ000251_44.0216.C15
Gene No.	69241	Strand	+
Start	49	End	5340
Name	OJ000251_44.0216.C15.o1.np	Method	AAT/NAP
Start	49	End	4937
GI	5257279	Score	5465
Exons	49..594, 943..1178, 1814..4219, 4334..4937		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	33383	Seq. ID	OJ000251_44.0216.C15
Gene No.	69241	Strand	+
Start	49	End	5340

Name	OJ000251_44.0216.C15.o1.gs	Method	GENSCAN
Start	250	End	1242
GI	none	Score	.9
Exons	250..1242		

Seq. No.	33383	Seq. ID	OJ000251_44.0216.C15
Gene No.	69241	Strand	+
Start	49	End	5340
Name	OJ000251_44.0216.C15.o2.gs	Method	GENSCAN
Start	1596	End	2207
GI	none	Score	.65
Exons	1596..2207		

Seq. No.	33383	Seq. ID	OJ000251_44.0216.C15
Gene No.	69241	Strand	+
Start	49	End	5340
Name	OJ000251_44.0216.C15.o6.tw	Method	TBLASTX:Wheat
Start	1707	End	2093
GI	none	Score	159
Exons	1707..1922, 1707..1829, 1730..1912, 1947..2093		

Seq. No.	33383	Seq. ID	OJ000251_44.0216.C15
Gene No.	69241	Strand	+
Start	49	End	5340
Name	OJ000251_44.0216.C15.o5.tm	Method	TBLASTX:Maize
Start	2640	End	2963
GI	none	Score	206
Exons	2640..2963, 2687..2788, 2901..2963		

Seq. No.	33383	Seq. ID	OJ000251_44.0216.C15
Gene No.	69241	Strand	+
Start	49	End	5340
Name	OJ000251_44.0216.C15.o7.tw	Method	TBLASTX:Wheat
Start	2645	End	3023
GI	none	Score	135
Exons	2645..2767, 2646..2867, 2865..3008, 2901..3023, 2912..3022		

Seq. No.	33383	Seq. ID	OJ000251_44.0216.C15
Gene No.	69241	Strand	+
Start	49	End	5340
Name	OJ000251_44.0216.C15.o6.tm	Method	TBLASTX:Maize
Start	3098	End	3260
GI	none	Score	188
Exons	3098..3259, 3099..3260		

Seq. No.	33383	Seq. ID	OJ000251_44.0216.C15
Gene No.	69241	Strand	+
Start	49	End	5340
Name	OJ000251_44.0216.C15.o2.tw	Method	TBLASTX:Wheat
Start	3195	End	3677
GI	none	Score	538
Exons	3195..3677, 3206..3502, 3315..3668, 3530..3673		

Seq. No.	33383	Seq. ID	OJ000251_44.0216.C15
Gene No.	69241	Strand	+
Start	49	End	5340
Name	OJ000251_44.0216.C15.o2.tm	Method	TBLASTX:Maize

Start	3264	End	3731
GI	none	Score	383
Exons	3264..3731, 3335..3508		

Seq. No.	33383	Seq. ID	OJ000251_44.0216.C15
Gene No.	69241	Strand	+
Start	49	End	5340
Name	OJ000251_44.0216.C15.o1.ts	Method	TBLASTX:Soybean
Start	3618	End	4013
GI	none	Score	54
Exons	3618..3650, 3618..3647, 3620..3649, 3648..3797, 3654..4013, 3656..4012		

Seq. No.	33383	Seq. ID	OJ000251_44.0216.C15
Gene No.	69241	Strand	+
Start	49	End	5340
Name	OJ000251_44.0216.C15.o4.tw	Method	TBLASTX:Wheat
Start	3726	End	4012
GI	none	Score	358
Exons	3726..4010, 3728..4003, 3737..4012		

Seq. No.	33383	Seq. ID	OJ000251_44.0216.C15
Gene No.	69241	Strand	+
Start	49	End	5340
Name	OJ000251_44.0216.C15.o4.tm	Method	TBLASTX:Maize
Start	3747	End	4022
GI	none	Score	262
Exons	3747..4022, 3749..4021		

Seq. No.	33383	Seq. ID	OJ000251_44.0216.C15
Gene No.	69241	Strand	+
Start	49	End	5340
Name	OJ000251_44.0216.C15.o3.tw	Method	TBLASTX:Wheat
Start	4012	End	4329
GI	none	Score	410
Exons	4012..4329, 4014..4316		

Seq. No.	33383	Seq. ID	OJ000251_44.0216.C15
Gene No.	69241	Strand	+
Start	49	End	5340
Name	OJ000251_44.0216.C15.o1.tc	Method	TBLASTX:Cress
Start	4036	End	4353
GI	none	Score	104
Exons	4036..4209, 4044..4157, 4210..4353, 4212..4352		

Seq. No.	33383	Seq. ID	OJ000251_44.0216.C15
Gene No.	69241	Strand	+
Start	49	End	5340
Name	OJ000251_44.0216.C15.o2.ts	Method	TBLASTX:Soybean
Start	4128	End	4374
GI	none	Score	257
Exons	4128..4373, 4129..4374		

Seq. No.	33383	Seq. ID	OJ000251_44.0216.C15
Gene No.	69241	Strand	+
Start	49	End	5340
Name	OJ000251_44.0216.C15.o3.tm	Method	TBLASTX:Maize

Start	4176	End	4467
GI	none	Score	354
Exons	4176..4463, 4177..4467		

Seq. No.	33383	Seq. ID	OJ000251_44.0216.C15
Gene No.	69241	Strand	+
Start	49	End	5340
Name	OJ000251_44.0216.C15.o1.tw	Method	TBLASTX:Wheat
Start	4336	End	4962
GI	none	Score	694
Exons	4336..4962, 4338..4856, 4902..4961		

Seq. No.	33383	Seq. ID	OJ000251_44.0216.C15
Gene No.	69241	Strand	+
Start	49	End	5340
Name	OJ000251_44.0216.C15.o1.tm	Method	TBLASTX:Maize
Start	4519	End	5103
GI	none	Score	212
Exons	4519..4677, 4521..4673, 4524..4679, 4547..4681, 4622..4804, 4663..4947, 4674..4967, 4675..5103		

Seq. No.	33383	Seq. ID	OJ000251_44.0216.C15
Gene No.	69241	Strand	+
Start	49	End	5340
Name	OJ000251_44.0216.C15.o5.tw	Method	TBLASTX:Wheat
Start	4962	End	5295
GI	none	Score	350
Exons	4962..5186, 4963..5295		

Seq. No.	33383	Seq. ID	OJ000251_44.0216.C15
Gene No.	69241	Strand	+
Start	49	End	5340
Name	OJ000251_44.0216.C15.o7.tm	Method	TBLASTX:Maize
Start	5103	End	5340
GI	none	Score	186
Exons	5103..5231, 5104..5340		

Seq. No.	33384	Seq. ID	OJ000251_44.0216.C21
Gene No.	69242	Strand	+
Start	571	End	629
Name	OJ000251_44.0216.C21.o1.gs	Method	GENSCAN
Start	571	End	629
GI	none	Score	.82
Exons	571..629		

Seq. No.	33385	Seq. ID	OJ000251_44.0216.C22
Gene No.	69243	Strand	+
Start	121	End	485
Name	OJ000251_44.0216.C22.o1.gs	Method	GENSCAN
Start	121	End	485
GI	none	Score	.99
Exons	121..485		

Seq. No.	33386	Seq. ID	OJ000251_44.0216.C25
Gene No.	69244	Strand	-
Start	18	End	537
Name	OJ000251_44.0216.C25.o1.gs	Method	GENSCAN

Start	18	End	537
GI	none	Score	.59
Exons	18..537		

Seq. No.	33387	Seq. ID	OJ000251_44.0216.C27
Gene No.	69245	Strand	-
Start	1	End	599
Name	OJ000251_44.0216.C27.o1.np	Method	AAT/NAP
Start	1	End	599
GI	6539553	Score	852
Exons	1..599		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	33387	Seq. ID	OJ000251_44.0216.C27
Gene No.	69245	Strand	-
Start	1	End	599
Name	OJ000251_44.0216.C27.o1.tw	Method	TBLASTX:Wheat
Start	137	End	585
GI	none	Score	210
Exons	137..385, 137..376, 154..384, 405..470, 437..583, 457..585, 457..582, 458..583		

Seq. No.	33387	Seq. ID	OJ000251_44.0216.C27
Gene No.	69245	Strand	-
Start	1	End	599
Name	OJ000251_44.0216.C27.o1.gs	Method	GENSCAN
Start	155	End	307
GI	none	Score	.88
Exons	155..307		

Seq. No.	33388	Seq. ID	OJ000251_44.0216.C28
Gene No.	69246	Strand	+
Start	1	End	912
Name	OJ000251_44.0216.C28.o1.np	Method	AAT/NAP
Start	1	End	912
GI	2213632	Score	239
Exons	1..391, 881..912		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	33388	Seq. ID	OJ000251_44.0216.C28
Gene No.	69247	Strand	-
Start	451	End	643
Name	OJ000251_44.0216.C28.o1.tm	Method	TBLASTX:Maize
Start	75	End	399
GI	none	Score	131
Exons	75..218, 196..339, 199..399, 201..350		

Seq. No.	33388	Seq. ID	OJ000251_44.0216.C28
Gene No.	69247	Strand	-
Start	451	End	643
Name	OJ000251_44.0216.C28.o1.tw	Method	TBLASTX:Wheat
Start	75	End	387
GI	none	Score	136
Exons	75..200, 83..190, 205..387, 205..372		

Seq. No.	33388	Seq. ID	OJ000251_44.0216.C28
Gene No.	69247	Strand	-
Start	451	End	643
Name	OJ000251_44.0216.C28.o1.gs	Method	GENSCAN
Start	451	End	643
GI	none	Score	.72
Exons	451..611, 616..643		

Seq. No.	33389	Seq. ID	OJ000251_44.0216.C29
Gene No.	69248	Strand	+
Start	361	End	4010
Name	OJ000251_44.0216.C29.o1.gs	Method	GENSCAN
Start	361	End	4010
GI	none	Score	.42
Exons	361..443, 2758..3138, 3443..3569, 3847..4010		

Seq. No.	33389	Seq. ID	OJ000251_44.0216.C29
Gene No.	69249	Strand	+
Start	4594	End	4746
Name	OJ000251_44.0216.C29.o2.gs	Method	GENSCAN
Start	4594	End	4746
GI	none	Score	.94
Exons	4594..4746		

Seq. No.	33389	Seq. ID	OJ000251_44.0216.C29
Gene No.	69250	Strand	-
Start	4142	End	8674
Name	OJ000251_44.0216.C29.o2.tw	Method	TBLASTX:Wheat
Start	892	End	1192
GI	none	Score	99
Exons	892..1038, 1037..1192, 1041..1181		

Seq. No.	33389	Seq. ID	OJ000251_44.0216.C29
Gene No.	69250	Strand	-
Start	4142	End	8674
Name	OJ000251_44.0216.C29.o2.np	Method	AAT/NAP
Start	4142	End	8674
GI	6069646	Score	166
Exons	4142..4186, 6119..6499, 8630..8674		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9D13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	33389	Seq. ID	OJ000251_44.0216.C29
Gene No.	69250	Strand	-
Start	4142	End	8674
Name	OJ000251_44.0216.C29.o3.gs	Method	GENSCAN
Start	5316	End	8347
GI	none	Score	.56
Exons	5316..5380, 5965..6067, 6111..6475, 6529..6562, 7351..7565, 7986..8347		

Seq. No.	33389	Seq. ID	OJ000251_44.0216.C29
Gene No.	69250	Strand	-

Start	4142	End	8674
Name	OJ000251_44.0216.C29.o3.tw	Method	TBLASTX:Wheat
Start	5825	End	6263
GI	none	Score	119
Exons	5825..5884, 5869..5982, 5962..6120, 6114..6263		

Seq. No.	33389	Seq. ID	OJ000251_44.0216.C29
Gene No.	69250	Strand	-
Start	4142	End	8674
Name	OJ000251_44.0216.C29.o2.tm	Method	TBLASTX:Maize
Start	5905	End	6497
GI	none	Score	193
Exons	5905..6120, 6120..6497		

Seq. No.	33389	Seq. ID	OJ000251_44.0216.C29
Gene No.	69250	Strand	-
Start	4142	End	8674
Name	OJ000251_44.0216.C29.o1.gp	Method	AAT/GAP
Start	6225	End	6615
GI	3135538	Score	696
Exons	6225..6615		

Seq. No.	33389	Seq. ID	OJ000251_44.0216.C29
Gene No.	69250	Strand	-
Start	4142	End	8674
Name	OJ000251_44.0216.C29.o2.gp	Method	AAT/GAP
Start	6930	End	8674
GI	762_1.R1084	Score	1652
Exons	6930..7257, 7351..7565, 7986..8355, 8653..8674		
GI Descrip.	'2130089/pir||S65042 1.0e-152 2-oxoglutarate/malate translocator (clone OMT103), mitochondrial membrane - proso millet >gi_1100743_dbj_BAA08105_ (D45075) 2-oxoglutarate/malate translocator [Panicum miliaceum]'		

Seq. No.	33389	Seq. ID	OJ000251_44.0216.C29
Gene No.	69250	Strand	-
Start	4142	End	8674
Name	OJ000251_44.0216.C29.o2.ts	Method	TBLASTX:Soybean
Start	7192	End	7456
GI	none	Score	118
Exons	7192..7263, 7346..7456, 7348..7455		

Seq. No.	33389	Seq. ID	OJ000251_44.0216.C29
Gene No.	69250	Strand	-
Start	4142	End	8674
Name	OJ000251_44.0216.C29.o1.tw	Method	TBLASTX:Wheat
Start	7195	End	7581
GI	none	Score	319
Exons	7195..7263, 7337..7561, 7339..7581, 7346..7573, 7348..7581		

Seq. No.	33389	Seq. ID	OJ000251_44.0216.C29
Gene No.	69250	Strand	-
Start	4142	End	8674
Name	OJ000251_44.0216.C29.o1.tm	Method	TBLASTX:Maize
Start	7198	End	8361
GI	none	Score	64
Exons	7198..7263, 7208..7264, 7346..7567, 7348..7572, 7352..7579,		

7984..8361, 7993..8355

Seq. No.	33389	Seq. ID	OJ000251_44.0216.C29
Gene No.	69250	Strand	-
Start	4142	End	8674
Name	OJ000251_44.0216.C29.o1.tc	Method	TBLASTX:Cress
Start	7201	End	8361
GI	none	Score	211
Exons	7201..7263, 7346..7558, 7348..7527, 7365..7532, 7531..7572, 7984..8115, 8051..8113, 8116..8361, 8186..8356		

Seq. No.	33389	Seq. ID	OJ000251_44.0216.C29
Gene No.	69250	Strand	-
Start	4142	End	8674
Name	OJ000251_44.0216.C29.o3.np	Method	AAT/NAP
Start	7204	End	8370
GI	2331139	Score	960
Exons	7204..7257, 7351..7565, 7986..8370		
GI Descrip.	(AF010583) 2-oxoglutarate/malate translocator [Oryza sativa]		

Seq. No.	33389	Seq. ID	OJ000251_44.0216.C29
Gene No.	69250	Strand	-
Start	4142	End	8674
Name	OJ000251_44.0216.C29.o1.ts	Method	TBLASTX:Soybean
Start	7456	End	8361
GI	none	Score	146
Exons	7456..7572, 7457..7567, 7980..8255, 7984..8361, 7993..8334, 8051..8356		

Seq. No.	33390	Seq. ID	OJ000251_44.0216.C30
Gene No.	69251	Strand	+
Start	2891	End	3179
Name	OJ000251_44.0216.C30.o2.gs	Method	GENSCAN
Start	2891	End	3179
GI	none	Score	.54
Exons	2891..2963, 3019..3179		

Seq. No.	33390	Seq. ID	OJ000251_44.0216.C30
Gene No.	69252	Strand	+
Start	10497	End	10982
Name	OJ000251_44.0216.C30.o4.gs	Method	GENSCAN
Start	10497	End	10982
GI	none	Score	.63
Exons	10497..10982		

Seq. No.	33390	Seq. ID	OJ000251_44.0216.C30
Gene No.	69253	Strand	-
Start	1	End	1449
Name	OJ000251_44.0216.C30.o1.np	Method	AAT/NAP
Start	1	End	1325
GI	2130089	Score	214
Exons	1..226, 1176..1325		
GI Descrip.	2-oxoglutarate/malate translocator (clone OMT103), mitochondrial membrane - proso millet gi|1100743|dbj|BAA08105| (D45075) 2-oxoglutarate/malate translocator [Panicum miliaceum]		

Seq. No.	33390	Seq. ID	OJ000251_44.0216.C30

Gene No.	69253	Strand	-
Start	1	End	1449
Name	OJ000251_44.0216.C30.o1.gp	Method	AAT/GAP
Start	72	End	1406
GI	762_3.R1084	Score	709
Exons	72..226, 1176..1406		
GI Descrip.	'2130089/pir||S65042 6.0e-23 2-oxoglutarate/malate translocator (clone OMT103), mitochondrial membrane - proso millet >gi_1100743_dbj_BAA08105_ (D45075) 2-oxoglutarate/malate translocator [Panicum miliaceum]'		

Seq. No.	33390	Seq. ID	OJ000251_44.0216.C30
Gene No.	69253	Strand	-
Start	1	End	1449
Name	OJ000251_44.0216.C30.o1.gs	Method	GENSCAN
Start	143	End	1449
GI	none	Score	.48
Exons	143..252, 1176..1449		

Seq. No.	33390	Seq. ID	OJ000251_44.0216.C30
Gene No.	69254	Strand	-
Start	5043	End	6412
Name	OJ000251_44.0216.C30.o3.gs	Method	GENSCAN
Start	5043	End	6412
GI	none	Score	.8
Exons	5043..5172, 6291..6412		

Seq. No.	33390	Seq. ID	OJ000251_44.0216.C30
Gene No.	69255	Strand	-
Start	12340	End	12414
Name	OJ000251_44.0216.C30.o5.gs	Method	GENSCAN
Start	12340	End	12414
GI	none	Score	.58
Exons	12340..12414		

Seq. No.	33391	Seq. ID	OJ000251_44.0216.C31
Gene No.	69256	Strand	+
Start	117	End	833
Name	OJ000251_44.0216.C31.o1.gs	Method	GENSCAN
Start	117	End	833
GI	none	Score	.65
Exons	117..173, 227..329, 362..833		

Seq. No.	33392	Seq. ID	OJ000251_44.0216.C32
Gene No.	69257	Strand	+
Start	5996	End	6574
Name	OJ000251_44.0216.C32.o2.gs	Method	GENSCAN
Start	5996	End	6574
GI	none	Score	.79
Exons	5996..6184, 6470..6574		

Seq. No.	33392	Seq. ID	OJ000251_44.0216.C32
Gene No.	69258	Strand	+
Start	6819	End	27092
Name	OJ000251_44.0216.C32.o3.gs	Method	GENSCAN
Start	6819	End	26663
GI	none	Score	.43

Exons	6819..6997, 7482..7574, 8063..8118, 8395..8507, 8782..8913, 10213..10375, 10464..10557, 10782..10823, 11760..11844, 11982..12154, 12218..12399, 12479..12678, 12784..12886, 13728..13765, 14277..14365, 16877..16960, 18277..18463, 18823..18999, 22574..22726, 22816..22887, 22982..23103, 24177..24290, 24455..24500, 26580..26663		

Seq. No.	33392	Seq. ID	OJ000251_44.0216.C32
Gene No.	69258	Strand	+
Start	6819	End	27092
Name	OJ000251_44.0216.C32.o1.np	Method	AAT/NAP
Start	12014	End	27092
GI	6119535	Score	718
Exons	12014..12154, 12254..12399, 12479..12678, 12784..12916, 14256..14377, 16053..16148, 22594..22642, 22816..22887, 22982..23103, 24177..24290, 24455..24500, 27012..27092		
GI Descrip.	(AC011560) putative glucose acyltransferase [Arabidopsis thaliana]		

Seq. No.	33392	Seq. ID	OJ000251_44.0216.C32
Gene No.	69259	Strand	-
Start	2334	End	4112
Name	OJ000251_44.0216.C32.o1.gs	Method	GENSCAN
Start	2334	End	4112
GI	none	Score	.81
Exons	2334..2423, 3299..3325, 3415..3557, 3606..3810, 4044..4112		

Seq. No.	33392	Seq. ID	OJ000251_44.0216.C32
Gene No.	69259	Strand	-
Start	2334	End	4112
Name	OJ000251_44.0216.C32.o1.gp	Method	AAT/GAP
Start	3232	End	3584
GI	86158_1.R1084	Score	561
Exons	3232..3584		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	33392	Seq. ID	OJ000251_44.0216.C32
Gene No.	69259	Strand	-
Start	2334	End	4112
Name	OJ000251_44.0216.C32.o2.gp	Method	AAT/GAP
Start	3232	End	3584
GI	86158_1.R1084	Score	559
Exons	3232..3584		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	33392	Seq. ID	OJ000251_44.0216.C32
Gene No.	69260	Strand	-
Start	27538	End	30255
Name	OJ000251_44.0216.C32.o1.tc	Method	TBLASTX:Cress
Start	12102	End	14365
GI	none	Score	48
Exons	12102..12155, 12255..12401, 12320..12400, 12469..12654, 12477..12608, 12763..12888, 14261..14365		

Seq. No.	33392	Seq. ID	OJ000251_44.0216.C32

Gene No.	69260	Strand	-
Start	27538	End	30255
Name	OJ000251_44.0216.C32.o1.ts	Method	TBLASTX:Soybean
Start	12102	End	14377
GI	none	Score	48
Exons	12102..12155, 12255..12401, 12320..12400, 12469..12651, 12477..12608, 12763..12888, 14261..14377		

Seq. No.	33392	Seq. ID	OJ000251_44.0216.C32
Gene No.	69260	Strand	-
Start	27538	End	30255
Name	OJ000251_44.0216.C32.o1.tm	Method	TBLASTX:Maize
Start	12285	End	27095
GI	none	Score	46
Exons	12285..12314, 12285..12329, 12332..12400, 12333..12401, 12469..12672, 12477..12524, 12543..12674, 12565..12678, 12774..12887, 12775..12888, 12775..12891, 12782..12895, 14261..14365, 14262..14366, 14263..14364, 14476..14577, 22819..22887, 22827..22892, 22975..23100, 22979..23101, 24171..24290, 24175..24291, 27005..27091, 27012..27095		

Seq. No.	33392	Seq. ID	OJ000251_44.0216.C32
Gene No.	69260	Strand	-
Start	27538	End	30255
Name	OJ000251_44.0216.C32.o1.tw	Method	TBLASTX:Wheat
Start	12505	End	14359
GI	none	Score	126
Exons	12505..12633, 12516..12671, 12742..12885, 12753..12884, 14261..14359		

Seq. No.	33392	Seq. ID	OJ000251_44.0216.C32
Gene No.	69260	Strand	-
Start	27538	End	30255
Name	OJ000251_44.0216.C32.o4.gs	Method	GENSCAN
Start	27538	End	30255
GI	none	Score	.58
Exons	27538..27712, 27803..28173, 29674..29705, 30249..30255		

Seq. No.	33393	Seq. ID	OJ000251_44.0216.C33
Gene No.	69261	Strand	-
Start	3112	End	5087
Name	OJ000251_44.0216.C33.o1.np	Method	AAT/NAP
Start	3112	End	5087
GI	5852172	Score	126
Exons	3112..3248, 5044..5087		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	33394	Seq. ID	OJ000251_44.0216.C34
Gene No.	69262	Strand	+
Start	140	End	569
Name	OJ000251_44.0216.C34.o1.gs	Method	GENSCAN
Start	140	End	569
GI	none	Score	.82
Exons	140..220, 313..394, 436..569		

Seq. No.	33394	Seq. ID	OJ000251_44.0216.C34
Gene No.	69263	Strand	-

Start	1	End	978
Name	OJ000251_44.0216.C34.o1.np	Method	AAT/NAP
Start	1	End	978
GI	5295955	Score	738
Exons	1..130, 170..237, 317..724, 901..978		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	33395	Seq. ID	OJ000251_44.0216.C37
Gene No.	69264	Strand	-
Start	357	End	739
Name	OJ000251_44.0216.C37.o1.np	Method	AAT/NAP
Start	357	End	739
GI	2809237	Score	122
Exons	357..547, 688..739		
GI Descrip.	(AC002560) F21B7.6 [Arabidopsis thaliana]		

Seq. No.	33395	Seq. ID	OJ000251_44.0216.C37
Gene No.	69264	Strand	-
Start	357	End	739
Name	OJ000251_44.0216.C37.o1.gs	Method	GENSCAN
Start	376	End	547
GI	none	Score	54
Exons	376..547		

Seq. No.	33395	Seq. ID	OJ000251_44.0216.C37
Gene No.	69264	Strand	-
Start	357	End	739
Name	OJ000251_44.0216.C37.o1.tm	Method	TBLASTX:Maize
Start	419	End	674
GI	none	Score	98
Exons	419..520, 419..529, 420..530, 420..542, 648..674		

Seq. No.	33396	Seq. ID	OJ000251_44.0216.C38
Gene No.	69265	Strand	-
Start	1	End	403
Name	OJ000251_44.0216.C38.o1.np	Method	AAT/NAP
Start	1	End	403
GI	5852093	Score	93
Exons	1..141, 367..403		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	33397	Seq. ID	OJ000251_44.0216.C39
Gene No.	69266	Strand	+
Start	1	End	477
Name	OJ000251_44.0216.C39.o1.np	Method	AAT/NAP
Start	1	End	477
GI	3913437	Score	714
Exons	1..477		
GI Descrip.	PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE gi|1402875|emb|CAA66825| (X98130) RNA helicase [Arabidopsis thaliana] gi|1495271|emb|CAA66613| (X97970) RNA helicase [Arabidopsis thaliana]		

Seq. No.	33397	Seq. ID	OJ000251_44.0216.C39
Gene No.	69266	Strand	+
Start	1	End	477

Name	OJ000251_44.0216.C39.o1.gs	Method	GENSCAN
Start	128	End	406
GI	none	Score	.68
Exons	128..406		

Seq. No.	33397	Seq. ID	OJ000251_44.0216.C39
Gene No.	69267	Strand	-
Start	329	End	477
Name	OJ000251_44.0216.C39.o1.tc	Method	TBLASTX:Cress
Start	1	End	477
GI	none	Score	714
Exons	1..477, 9..476		

Seq. No.	33397	Seq. ID	OJ000251_44.0216.C39
Gene No.	69267	Strand	-
Start	329	End	477
Name	OJ000251_44.0216.C39.o1.tm	Method	TBLASTX:Maize
Start	52	End	477
GI	none	Score	646
Exons	52..477, 53..472, 54..476		

Seq. No.	33397	Seq. ID	OJ000251_44.0216.C39
Gene No.	69267	Strand	-
Start	329	End	477
Name	OJ000251_44.0216.C39.o1.ts	Method	TBLASTX:Soybean
Start	156	End	477
GI	none	Score	101
Exons	156..215, 157..219, 158..220, 234..476	189..473, 190..477, 197..295,	

Seq. No.	33397	Seq. ID	OJ000251_44.0216.C39
Gene No.	69267	Strand	-
Start	329	End	477
Name	OJ000251_44.0216.C39.o1.gp	Method	AAT/GAP
Start	329	End	477
GI	1518_1.R1084	Score	250
Exons	329..477		
GI Descrip.	'3913437/sp|Q38953|DDX8_ARATH 3.0e-13 PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE >gi_1402875_emb_CAA66825_ (X98130) RNA helicase [Arabidopsis thaliana] >gi_1495271_emb_CAA66613_ (X97970) RNA helicase [Arabidopsis thaliana]'		

Seq. No.	33398	Seq. ID	OJ000251_44.0216.C46
Gene No.	69268	Strand	-
Start	1	End	672
Name	OJ000251_44.0216.C46.o1.np	Method	AAT/NAP
Start	1	End	672
GI	5001454	Score	104
Exons	1..146, 420..672		
GI Descrip.	(AC007730) putative non-LTR retrolelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	33398	Seq. ID	OJ000251 44.0216.C46
Gene No.	69268	Strand	-
Start	1	End	672
Name	OJ000251_44.0216.C46.o1.tm	Method	TBLASTX:Maize

Start	290	End	514
GI	none	Score	63
Exons	290..499, 295..513, 302..514		

Seq. No.	33399	Seq. ID	OJ000251_44.0216.C48
Gene No.	69269	Strand	+
Start	1	End	307
Name	OJ000251_44.0216.C48.o1.np	Method	AAT/NAP
Start	1	End	307
GI	6539555	Score	239
Exons	1..307		
GI Descrip.	(AP000836) Similar to mariner transposase (AF078934) [Oryza sativa] gi|6539592|dbj|BAA88208.1| (AP000837) Similar to mariner transposase (AF078934) [Oryza sativa]		

Seq. No.	33400	Seq. ID	OJ000251_44.0216.C49
Gene No.	69270	Strand	-
Start	38	End	253
Name	OJ000251_44.0216.C49.o1.gs	Method	GENSCAN
Start	38	End	253
GI	none	Score	.72
Exons	38..253		

Seq. No.	33401	Seq. ID	OJ000251_44.0216.C50
Gene No.	69271	Strand	+
Start	71	End	556
Name	OJ000251_44.0216.C50.o1.gs	Method	GENSCAN
Start	71	End	556
GI	none	Score	.91
Exons	71..213, 299..365, 402..556		

Seq. No.	33402	Seq. ID	OJ000251_44.0216.C54
Gene No.	69272	Strand	+
Start	1	End	537
Name	OJ000251_44.0216.C54.o1.np	Method	AAT/NAP
Start	1	End	498
GI	4115536	Score	330
Exons	1..498		
GI Descrip.	(AB012115) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]		

Seq. No.	33402	Seq. ID	OJ000251_44.0216.C54
Gene No.	69272	Strand	+
Start	1	End	537
Name	OJ000251_44.0216.C54.o1.tm	Method	TBLASTX:Maize
Start	1	End	485
GI	none	Score	52
Exons	1..45, 58..111, 63..161, 106..312, 108..362, 312..485, 325..456		

Seq. No.	33402	Seq. ID	OJ000251_44.0216.C54
Gene No.	69272	Strand	+
Start	1	End	537
Name	OJ000251_44.0216.C54.o1.ts	Method	TBLASTX:Soybean
Start	1	End	357
GI	none	Score	38
Exons	1..27, 40..111, 106..357, 108..347, 166..354		

Seq. No.	33402	Seq. ID	OJ000251_44.0216.C54
Gene No.	69272	Strand	+
Start	1	End	537
Name	OJ000251_44.0216.C54.o1.tc	Method	TBLASTX:Cress
Start	25	End	297
GI	none	Score	67
Exons	25..111, 33..110, 108..281, 109..297		

Seq. No.	33402	Seq. ID	OJ000251_44.0216.C54
Gene No.	69272	Strand	+
Start	1	End	537
Name	OJ000251_44.0216.C54.o1.gs	Method	GENSCAN
Start	55	End	537
GI	none	Score	.91
Exons	55..537		

Seq. No.	33402	Seq. ID	OJ000251_44.0216.C54
Gene No.	69272	Strand	+
Start	1	End	537
Name	OJ000251_44.0216.C54.o1.tw	Method	TBLASTX:Wheat
Start	118	End	303
GI	none	Score	202
Exons	118..303, 120..299		

Seq. No.	33403	Seq. ID	OJ000251_44.0216.C56
Gene No.	69273	Strand	-
Start	220	End	1010
Name	OJ000251_44.0216.C56.o1.np	Method	AAT/NAP
Start	220	End	1010
GI	5295955	Score	225
Exons	220..334, 877..1010		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	33404	Seq. ID	OJ000251_44.0216.C57
Gene No.	69274	Strand	+
Start	181	End	4802
Name	OJ000251_44.0216.C57.o1.np	Method	AAT/NAP
Start	181	End	3397
GI	6539553	Score	4579
Exons	181..3397		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	33404	Seq. ID	OJ000251_44.0216.C57
Gene No.	69274	Strand	+
Start	181	End	4802
Name	OJ000251_44.0216.C57.o2.gs	Method	GENSCAN
Start	1731	End	4802
GI	none	Score	.63
Exons	1731..2249, 2327..2450, 2532..2617, 2625..2801, 2819..2938, 3259..3462, 3468..3599, 3674..3800, 4588..4802		

Seq. No.	33404	Seq. ID	OJ000251_44.0216.C57
Gene No.	69275	Strand	-

Start	5565	End	6470
Name	OJ000251_44.0216.C57.o2.tw	Method	TBLASTX:Wheat
Start	128	End	471
GI	none	Score	50
Exons	128..166, 142..168, 177..356,	178..336, 316..471, 318..467	

Seq. No.	33404	Seq. ID	OJ000251_44.0216.C57
Gene No.	69275	Strand	-
Start	5565	End	6470
Name	OJ000251_44.0216.C57.o3.tm	Method	TBLASTX:Maize
Start	310	End	596
GI	none	Score	236
Exons	310..522, 318..521, 320..529,	481..594, 522..596	

Seq. No.	33404	Seq. ID	OJ000251_44.0216.C57
Gene No.	69275	Strand	-
Start	5565	End	6470
Name	OJ000251_44.0216.C57.o1.tm	Method	TBLASTX:Maize
Start	1102	End	1416
GI	none	Score	58
Exons	1102..1152, 1103..1153, 1110..1154, 1149..1415, 1151..1390, 1171..1416		

Seq. No.	33404	Seq. ID	OJ000251_44.0216.C57
Gene No.	69275	Strand	-
Start	5565	End	6470
Name	OJ000251_44.0216.C57.o2.tm	Method	TBLASTX:Maize
Start	1608	End	2042
GI	none	Score	260
Exons	1608..2042, 1871..1969		

Seq. No.	33404	Seq. ID	OJ000251_44.0216.C57
Gene No.	69275	Strand	-
Start	5565	End	6470
Name	OJ000251_44.0216.C57.o3.tw	Method	TBLASTX:Wheat
Start	1683	End	1877
GI	none	Score	251
Exons	1683..1877, 1686..1877		

Seq. No.	33404	Seq. ID	OJ000251_44.0216.C57
Gene No.	69275	Strand	-
Start	5565	End	6470
Name	OJ000251_44.0216.C57.o1.ts	Method	TBLASTX:Soybean
Start	1845	End	2228
GI	none	Score	154
Exons	1845..2054, 1845..2009, 2055..2228, 2063..2122		

Seq. No.	33404	Seq. ID	OJ000251_44.0216.C57
Gene No.	69275	Strand	-
Start	5565	End	6470
Name	OJ000251_44.0216.C57.o1.tw	Method	TBLASTX:Wheat
Start	1878	End	2635
GI	none	Score	484
Exons	1878..2315, 1883..1975, 1887..2315, 2063..2335, 2302..2367, 2387..2635, 2388..2618, 2396..2635		

Seq. No.	33404	Seq. ID	OJ000251_44.0216.C57

Gene No.	69275	Strand	-
Start	5565	End	6470
Name	OJ000251_44.0216.C57.o2.ts	Method	TBLASTX:Soybean
Start	2631	End	3001
GI	5509260	Score	123
Exons	2631..2813, 2836..2895, 2885..3001		
GI Descrip.	-		

Seq. No.	33404	Seq. ID	OJ000251_44.0216.C57
Gene No.	69275	Strand	-
Start	5565	End	6470
Name	OJ000251_44.0216.C57.o4.tm	Method	TBLASTX:Maize
Start	2691	End	3151
GI	none	Score	112
Exons	2691..2840, 2818..2895, 2885..3151		

Seq. No.	33404	Seq. ID	OJ000251_44.0216.C57
Gene No.	69275	Strand	-
Start	5565	End	6470
Name	OJ000251_44.0216.C57.o4.tw	Method	TBLASTX:Wheat
Start	2691	End	3172
GI	none	Score	96
Exons	2691..2813, 2836..2895, 2885..3007, 3053..3172		

Seq. No.	33404	Seq. ID	OJ000251_44.0216.C57
Gene No.	69275	Strand	-
Start	5565	End	6470
Name	OJ000251_44.0216.C57.o3.ts	Method	TBLASTX:Soybean
Start	3086	End	3396
GI	none	Score	83
Exons	3086..3172, 3160..3396		

Seq. No.	33404	Seq. ID	OJ000251_44.0216.C57
Gene No.	69275	Strand	-
Start	5565	End	6470
Name	OJ000251_44.0216.C57.o3.gs	Method	GENSCAN
Start	5565	End	6470
GI	none	Score	.44
Exons	5565..5581, 6253..6399, 6461..6470		

Seq. No.	33405	Seq. ID	OJ000251_44.0216.C58
Gene No.	69276	Strand	+
Start	1	End	2284
Name	OJ000251_44.0216.C58.o1.np	Method	AAT/NAP
Start	1	End	2284
GI	6598853	Score	264
Exons	1..208, 298..402, 932..1069, 1169..1249, 2225..2284		
GI Descrip.	(AC010556) putative serine carboxypeptidase [Arabidopsis thaliana]		

Seq. No.	33405	Seq. ID	OJ000251_44.0216.C58
Gene No.	69276	Strand	+
Start	1	End	2284
Name	OJ000251_44.0216.C58.o1.tm	Method	TBLASTX:Maize
Start	7	End	1270
GI	none	Score	274
Exons	7..54, 8..202, 20..202, 73..207, 144..203, 282..401, 289..402,		

296..418, 296..409, 962..1078, 965..1069, 967..1074, 1166..1270

Seq. No.	33405	Seq. ID	OJ000251_44.0216.C58
Gene No.	69276	Strand	+
Start	1	End	2284
Name	OJ000251_44.0216.C58.o1.ts	Method	TBLASTX:Soybean
Start	7	End	1075
GI	none	Score	154
Exons	7..138, 8..202, 289..402, 965..1075		

Seq. No.	33405	Seq. ID	OJ000251_44.0216.C58
Gene No.	69276	Strand	+
Start	1	End	2284
Name	OJ000251_44.0216.C58.o1.tc	Method	TBLASTX:Cress
Start	8	End	1075
GI	none	Score	143
Exons	8..154, 73..156, 271..402, 274..402, 962..1075		

Seq. No.	33405	Seq. ID	OJ000251_44.0216.C58
Gene No.	69276	Strand	+
Start	1	End	2284
Name	OJ000251_44.0216.C58.o1.tw	Method	TBLASTX:Wheat
Start	35	End	1063
GI	none	Score	130
Exons	35..202, 44..166, 46..201, 287..394, 289..399, 298..393, 312..398, 962..1063		

Seq. No.	33405	Seq. ID	OJ000251_44.0216.C58
Gene No.	69276	Strand	+
Start	1	End	2284
Name	OJ000251_44.0216.C58.o1.gs	Method	GENSCAN
Start	86	End	1543
GI	none	Score	.84
Exons	86..208, 273..475, 968..1069, 1472..1543		

Seq. No.	33406	Seq. ID	OJ000251_44.0216.C64
Gene No.	69277	Strand	-
Start	630	End	8618
Name	OJ000251_44.0216.C64.o1.gs	Method	GENSCAN
Start	630	End	8481
GI	none	Score	.69
Exons	630..694, 2311..3202, 3666..3844, 4171..4284, 5447..5530, 6683..6753, 7857..7996, 8371..8481		

Seq. No.	33406	Seq. ID	OJ000251_44.0216.C64
Gene No.	69277	Strand	-
Start	630	End	8618
Name	OJ000251_44.0216.C64.o1.np	Method	AAT/NAP
Start	1971	End	3246
GI	6862923	Score	329
Exons	1971..2506, 2549..3246		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	33406	Seq. ID	OJ000251_44.0216.C64
Gene No.	69277	Strand	-
Start	630	End	8618
Name	OJ000251_44.0216.C64.o1.ts	Method	TBLASTX:Soybean

Start	2052	End	2833
GI	none	Score	60
Exons	2052..2132, 2133..2309, 2414..2467, 2549..2638, 2554..2694, 2740..2832, 2741..2833		

Seq. No.	33406	Seq. ID	OJ000251_44.0216.C64
Gene No.	69277	Strand	-
Start	630	End	8618
Name	OJ000251_44.0216.C64.o2.np	Method	AAT/NAP
Start	2064	End	3244
GI	4680501	Score	376
Exons	2064..2372, 2405..2494, 2530..3244		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	33406	Seq. ID	OJ000251_44.0216.C64
Gene No.	69277	Strand	-
Start	630	End	8618
Name	OJ000251_44.0216.C64.o1.tm	Method	TBLASTX:Maize
Start	2133	End	3157
GI	none	Score	75
Exons	2133..2309, 2414..2467, 2554..2637, 2740..2832, 3019..3156, 3032..3157		

Seq. No.	33406	Seq. ID	OJ000251_44.0216.C64
Gene No.	69277	Strand	-
Start	630	End	8618
Name	OJ000251_44.0216.C64.o1.gp	Method	AAT/GAP
Start	5022	End	8463
GI	14604_1.R1084	Score	1291
Exons	5022..5332, 5447..5530, 6683..6753, 7857..7996, 8371..8463		
GI Descrip.	'3763916 1.0e-145 (AC004450) unknown protein [Arabidopsis thaliana] >gi_4531439_gb_AAD22124.1_AC006224_6 (AC006224) unknown protein [Arabidopsis thaliana]'		

Seq. No.	33406	Seq. ID	OJ000251_44.0216.C64
Gene No.	69277	Strand	-
Start	630	End	8618
Name	OJ000251_44.0216.C64.o3.np	Method	AAT/NAP
Start	5229	End	8618
GI	6850311	Score	433
Exons	5229..5332, 5447..5530, 6683..6753, 7857..7996, 8371..8618		
GI Descrip.	(AC009999) Contains similarity to a vacuolar sorting receptor homolog from Arabidopsis thaliana gb|U79959.		

Seq. No.	33406	Seq. ID	OJ000251_44.0216.C64
Gene No.	69277	Strand	-
Start	630	End	8618
Name	OJ000251_44.0216.C64.o2.tm	Method	TBLASTX:Maize
Start	5232	End	8469
GI	none	Score	100
Exons	5232..5333, 5235..5333, 5239..5349, 5239..5355, 5431..5511, 5445..5519, 5449..5529, 5450..5530, 5451..5531, 6681..6755, 6682..6756, 6682..6759, 7838..7996, 7856..7996, 7861..7998, 7926..7997, 8365..8469, 8369..8464, 8371..8466		

Seq. No.	33407	Seq. ID	OJ000251_44.0216.C66
Gene No.	69278	Strand	-

Start	125	End	315
Name	OJ000251_44.0216.C66.o1.gs	Method	GENSCAN
Start	125	End	315
GI	none	Score	.79
Exons	125..315		

Seq. No.	33408	Seq. ID	OJ000251_44.0216.C67
Gene No.	69279	Strand	-
Start	440	End	505
Name	OJ000251_44.0216.C67.o1.gs	Method	GENSCAN
Start	440	End	505
GI	none	Score	.89
Exons	440..505		

Seq. No.	33409	Seq. ID	OJ000251_44.0216.C68
Gene No.	69280	Strand	+
Start	416	End	669
Name	OJ000251_44.0216.C68.o1.gs	Method	GENSCAN
Start	416	End	669
GI	none	Score	.72
Exons	416..451, 532..669		

Seq. No.	33410	Seq. ID	OJ000251_44.0216.C69
Gene No.	69281	Strand	-
Start	1	End	732
Name	OJ000251_44.0216.C69.o1.np	Method	AAT/NAP
Start	1	End	732
GI	5295971	Score	1192
Exons	1..732		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	33410	Seq. ID	OJ000251_44.0216.C69
Gene No.	69281	Strand	-
Start	1	End	732
Name	OJ000251_44.0216.C69.o1.tm	Method	TBLASTX:Maize
Start	4	End	212
GI	none	Score	284
Exons	4..195, 6..212		

Seq. No.	33410	Seq. ID	OJ000251_44.0216.C69
Gene No.	69281	Strand	-
Start	1	End	732
Name	OJ000251_44.0216.C69.o1.gs	Method	GENSCAN
Start	16	End	680
GI	none	Score	.73
Exons	16..680		

Seq. No.	33410	Seq. ID	OJ000251_44.0216.C69
Gene No.	69281	Strand	-
Start	1	End	732
Name	OJ000251_44.0216.C69.o2.tm	Method	TBLASTX:Maize
Start	447	End	731
GI	none	Score	211
Exons	447..668, 447..668, 566..670, 702..731		

Seq. No.	33411	Seq. ID	OJ000251_44.0216.C70
Gene No.	69282	Strand	+
Start	238	End	345
Name	OJ000251_44.0216.C70.o1.gs	Method	GENSCAN
Start	238	End	345
GI	none	Score	.81
Exons	238..345		

Seq. No.	33412	Seq. ID	OJ000251_44.0216.C73
Gene No.	69283	Strand	-
Start	1	End	493
Name	OJ000251_44.0216.C73.o1.np	Method	AAT/NAP
Start	1	End	493
GI	3913437	Score	731
Exons	1..493		
GI Descrip.	PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE gi|1402875|emb|CAA66825| (X98130) RNA helicase [Arabidopsis thaliana] gi|1495271|emb|CAA66613| (X97970) RNA helicase [Arabidopsis thaliana]		

Seq. No.	33412	Seq. ID	OJ000251_44.0216.C73
Gene No.	69283	Strand	-
Start	1	End	493
Name	OJ000251_44.0216.C73.o1.tc	Method	TBLASTX:Cress
Start	3	End	493
GI	none	Score	457
Exons	3..491, 4..492, 248..493		

Seq. No.	33412	Seq. ID	OJ000251_44.0216.C73
Gene No.	69283	Strand	-
Start	1	End	493
Name	OJ000251_44.0216.C73.o1.tm	Method	TBLASTX:Maize
Start	3	End	441
GI	none	Score	510
Exons	3..440, 4..441		

Seq. No.	33412	Seq. ID	OJ000251_44.0216.C73
Gene No.	69283	Strand	-
Start	1	End	493
Name	OJ000251_44.0216.C73.o2.ts	Method	TBLASTX:Soybean
Start	3	End	149
GI	none	Score	107
Exons	3..149, 4..147		

Seq. No.	33412	Seq. ID	OJ000251_44.0216.C73
Gene No.	69283	Strand	-
Start	1	End	493
Name	OJ000251_44.0216.C73.o1.gs	Method	GENSCAN
Start	53	End	392
GI	none	Score	.6
Exons	53..392		

Seq. No.	33412	Seq. ID	OJ000251_44.0216.C73
Gene No.	69283	Strand	-
Start	1	End	493
Name	OJ000251_44.0216.C73.o1.ts	Method	TBLASTX:Soybean
Start	151	End	480

GI	none	Score	209
Exons	151..480, 153..479		

Seq. No.	33413	Seq. ID	OJ000251_44.0216.C75
Gene No.	69284	Strand	+
Start	22	End	745
Name	OJ000251_44.0216.C75.o1.np	Method	AAT/NAP
Start	22	End	745
GI	6721561	Score	107
Exons	22..104, 700..745		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33413	Seq. ID	OJ000251_44.0216.C75
Gene No.	69285	Strand	-
Start	505	End	745
Name	OJ000251_44.0216.C75.o2.np	Method	AAT/NAP
Start	505	End	745
GI	4680183	Score	65
Exons	505..745		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	33414	Seq. ID	OJ000251_44.0216.C78
Gene No.	69286	Strand	+
Start	320	End	586
Name	OJ000251_44.0216.C78.o1.gs	Method	GENSCAN
Start	320	End	586
GI	none	Score	.59
Exons	320..586		

Seq. No.	33415	Seq. ID	OJ000251_46.0217.C2
Gene No.	69287	Strand	+
Start	241	End	992
Name	OJ000251_46.0217.C2.o1.gs	Method	GENSCAN
Start	241	End	992
GI	none	Score	.81
Exons	241..311, 841..992		

Seq. No.	33416	Seq. ID	OJ000251_46.0217.C3
Gene No.	69288	Strand	-
Start	178	End	389
Name	OJ000251_46.0217.C3.o1.gs	Method	GENSCAN
Start	178	End	237
GI	none	Score	.99
Exons	178..237		

Seq. No.	33416	Seq. ID	OJ000251_46.0217.C3
Gene No.	69288	Strand	-
Start	178	End	389
Name	OJ000251_46.0217.C3.o1.np	Method	AAT/NAP
Start	178	End	389
GI	2498930	Score	40
Exons	178..237, 360..389		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION		

PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]

Seq. No.	33417	Seq. ID	OJ000251_46.0217.C4
Gene No.	69289	Strand	-
Start	329	End	472
Name	OJ000251_46.0217.C4.o1.gs	Method	GENSCAN
Start	329	End	472
GI	none	Score	.8
Exons	329..472		

Seq. No.	33418	Seq. ID	OJ000251_46.0217.C5
Gene No.	69290	Strand	+
Start	1	End	3543
Name	OJ000251_46.0217.C5.o1.np	Method	AAT/NAP
Start	1	End	3543
GI	6498441	Score	4155
Exons	1..191, 375..509, 684..1110, 1303..1599, 1771..3168, 3262..3543		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	33418	Seq. ID	OJ000251_46.0217.C5
Gene No.	69291	Strand	-
Start	4174	End	6038
Name	OJ000251_46.0217.C5.o3.tm	Method	TBLASTX:Maize
Start	96	End	312
GI	none	Score	266
Exons	96..302, 97..312, 100..312		

Seq. No.	33418	Seq. ID	OJ000251_46.0217.C5
Gene No.	69291	Strand	-
Start	4174	End	6038
Name	OJ000251_46.0217.C5.o1.tw	Method	TBLASTX:Wheat
Start	181	End	600
GI	none	Score	464
Exons	181..600, 183..587		

Seq. No.	33418	Seq. ID	OJ000251_46.0217.C5
Gene No.	69291	Strand	-
Start	4174	End	6038
Name	OJ000251_46.0217.C5.o1.tm	Method	TBLASTX:Maize
Start	339	End	723
GI	none	Score	358
Exons	339..704, 340..723		

Seq. No.	33418	Seq. ID	OJ000251_46.0217.C5
Gene No.	69291	Strand	-
Start	4174	End	6038
Name	OJ000251_46.0217.C5.o1.ts	Method	TBLASTX:Soybean
Start	445	End	780
GI	none	Score	229
Exons	445..780, 492..635		

Seq. No.	33418	Seq. ID	OJ000251_46.0217.C5
Gene No.	69291	Strand	-
Start	4174	End	6038
Name	OJ000251_46.0217.C5.o5.tw	Method	TBLASTX:Wheat

Start	600	End	791
GI	none	Score	193
Exons	600..791, 601..780		

Seq. No.	33418	Seq. ID	OJ000251_46.0217.C5
Gene No.	69291	Strand	-
Start	4174	End	6038
Name	OJ000251_46.0217.C5.o3.tw	Method	TBLASTX:Wheat
Start	1447	End	1905
GI	none	Score	236
Exons	1447..1701, 1471..1722, 1536..1721, 1756..1905, 1765..1902, 1767..1904		

Seq. No.	33418	Seq. ID	OJ000251_46.0217.C5
Gene No.	69291	Strand	-
Start	4174	End	6038
Name	OJ000251_46.0217.C5.o2.ts	Method	TBLASTX:Soybean
Start	1594	End	2160
GI	5666795	Score	69
Exons	1594..1692, 1768..1905, 1960..2160		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	33418	Seq. ID	OJ000251_46.0217.C5
Gene No.	69291	Strand	-
Start	4174	End	6038
Name	OJ000251_46.0217.C5.o6.tw	Method	TBLASTX:Wheat
Start	1908	End	2220
GI	none	Score	187
Exons	1908..2084, 1960..2220		

Seq. No.	33418	Seq. ID	OJ000251_46.0217.C5
Gene No.	69291	Strand	-
Start	4174	End	6038
Name	OJ000251_46.0217.C5.o2.tm	Method	TBLASTX:Maize
Start	2413	End	2775
GI	none	Score	351
Exons	2413..2736, 2442..2723, 2728..2775		

Seq. No.	33418	Seq. ID	OJ000251_46.0217.C5
Gene No.	69291	Strand	-
Start	4174	End	6038
Name	OJ000251_46.0217.C5.o2.tw	Method	TBLASTX:Wheat
Start	2550	End	2931
GI	none	Score	368
Exons	2550..2606, 2551..2931, 2554..2892, 2652..2900		

Seq. No.	33418	Seq. ID	OJ000251_46.0217.C5
Gene No.	69291	Strand	-
Start	4174	End	6038
Name	OJ000251_46.0217.C5.o4.tw	Method	TBLASTX:Wheat
Start	2932	End	3534
GI	none	Score	250
Exons	2932..3222, 2937..3215, 3408..3530, 3409..3534		

Seq. No.	33418	Seq. ID	OJ000251_46.0217.C5
Gene No.	69291	Strand	-
Start	4174	End	6038

Name	OJ000251_46.0217.C5.o4.tm	Method	TBLASTX:Maize
Start	3403	End	3549
GI	none	Score	186
Exons	3403..3549, 3408..3542		

Seq. No.	33418	Seq. ID	OJ000251_46.0217.C5
Gene No.	69291	Strand	-
Start	4174	End	6038
Name	OJ000251_46.0217.C5.o2.gs	Method	GENSCAN
Start	4174	End	5959
GI	none	Score	.85
Exons	4174..5959		

Seq. No.	33418	Seq. ID	OJ000251_46.0217.C5
Gene No.	69291	Strand	-
Start	4174	End	6038
Name	OJ000251_46.0217.C5.o2.np	Method	AAT/NAP
Start	4177	End	6038
GI	6539586	Score	2524
Exons	4177..6038		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	33419	Seq. ID	OJ000251_46.0217.C6
Gene No.	69292	Strand	+
Start	88	End	3079
Name	OJ000251_46.0217.C6.o1.gs	Method	GENSCAN
Start	88	End	3079
GI	none	Score	.75
Exons	88..290, 460..604, 1163..1239, 1853..1989, 2396..2514, 2998..3079		

Seq. No.	33419	Seq. ID	OJ000251_46.0217.C6
Gene No.	69292	Strand	+
Start	88	End	3079
Name	OJ000251_46.0217.C6.o1.gp	Method	AAT/GAP
Start	1541	End	1648
GI	uC-osflcyp172a09a1	Score	163
Exons	1541..1648		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	33419	Seq. ID	OJ000251_46.0217.C6
Gene No.	69293	Strand	+
Start	6412	End	7192
Name	OJ000251_46.0217.C6.o2.gp	Method	AAT/GAP
Start	6412	End	7192
GI	4107134	Score	1163
Exons	6412..7192		
GI Descrip.	4680179/gb|AAD27547.1|AF111709_1 3.0e-97 (AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33419	Seq. ID	OJ000251_46.0217.C6
Gene No.	69294	Strand	-
Start	1	End	559
Name	OJ000251_46.0217.C6.o1.np	Method	AAT/NAP
Start	1	End	559
GI	6907089	Score	937

Exons	1..559		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	33419	Seq. ID	OJ000251_46.0217.C6
Gene No.	69295	Strand	-
Start	3424	End	7806
Name	OJ000251_46.0217.C6.o2.gs	Method	GENSCAN
Start	3424	End	7758
GI	none	Score	.63
Exons	3424..3572, 3617..3712, 3804..4047, 4886..6874, 6977..7758		
Seq. No.	33419	Seq. ID	OJ000251_46.0217.C6
Gene No.	69295	Strand	-
Start	3424	End	7806
Name	OJ000251_46.0217.C6.o2.np	Method	AAT/NAP
Start	4751	End	7806
GI	4680179	Score	4985
Exons	4751..7806		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	33419	Seq. ID	OJ000251_46.0217.C6
Gene No.	69295	Strand	-
Start	3424	End	7806
Name	OJ000251_46.0217.C6.o6.tw	Method	TBLASTX:Wheat
Start	4761	End	5129
GI	none	Score	36
Exons	4761..4814, 4796..5128, 4929..5129		
Seq. No.	33419	Seq. ID	OJ000251_46.0217.C6
Gene No.	69295	Strand	-
Start	3424	End	7806
Name	OJ000251_46.0217.C6.o1.tm	Method	TBLASTX:Maize
Start	4988	End	5575
GI	none	Score	237
Exons	4988..5416, 4989..5414, 5414..5575, 5421..5567		
Seq. No.	33419	Seq. ID	OJ000251_46.0217.C6
Gene No.	69295	Strand	-
Start	3424	End	7806
Name	OJ000251_46.0217.C6.o1.tw	Method	TBLASTX:Wheat
Start	5129	End	5755
GI	none	Score	351
Exons	5129..5755, 5130..5753		
Seq. No.	33419	Seq. ID	OJ000251_46.0217.C6
Gene No.	69295	Strand	-
Start	3424	End	7806
Name	OJ000251_46.0217.C6.o3.tm	Method	TBLASTX:Maize
Start	5624	End	5915
GI	none	Score	229
Exons	5624..5914, 5628..5915		
Seq. No.	33419	Seq. ID	OJ000251_46.0217.C6
Gene No.	69295	Strand	-
Start	3424	End	7806
Name	OJ000251_46.0217.C6.o2.ts	Method	TBLASTX:Soybean
Start	5714	End	5974

GI	none	Score	157
Exons	5714..5974, 5715..5969		
Seq. No.	33419	Seq. ID	OJ000251_46.0217.C6
Gene No.	69295	Strand	-
Start	3424	End	7806
Name	OJ000251_46.0217.C6.o1.tc	Method	TBLASTX:Cress
Start	5738	End	6055
GI	none	Score	87
Exons	5738..5881, 5739..5879, 5882..6055		
Seq. No.	33419	Seq. ID	OJ000251_46.0217.C6
Gene No.	69295	Strand	-
Start	3424	End	7806
Name	OJ000251_46.0217.C6.o3.tw	Method	TBLASTX:Wheat
Start	5762	End	6241
GI	none	Score	248
Exons	5762..6241, 5763..6017, 5795..6208		
Seq. No.	33419	Seq. ID	OJ000251_46.0217.C6
Gene No.	69295	Strand	-
Start	3424	End	7806
Name	OJ000251_46.0217.C6.o2.tw	Method	TBLASTX:Wheat
Start	6245	End	6754
GI	none	Score	254
Exons	6245..6754, 6332..6715, 6336..6746		
Seq. No.	33419	Seq. ID	OJ000251_46.0217.C6
Gene No.	69295	Strand	-
Start	3424	End	7806
Name	OJ000251_46.0217.C6.o2.tm	Method	TBLASTX:Maize
Start	6322	End	6682
GI	none	Score	76
Exons	6322..6474, 6324..6521, 6329..6682, 6336..6680		
Seq. No.	33419	Seq. ID	OJ000251_46.0217.C6
Gene No.	69295	Strand	-
Start	3424	End	7806
Name	OJ000251_46.0217.C6.o3.ts	Method	TBLASTX:Soybean
Start	6503	End	6748
GI	none	Score	209
Exons	6503..6748		
Seq. No.	33419	Seq. ID	OJ000251_46.0217.C6
Gene No.	69295	Strand	-
Start	3424	End	7806
Name	OJ000251_46.0217.C6.o5.tm	Method	TBLASTX:Maize
Start	6683	End	7021
GI	none	Score	123
Exons	6683..7021, 6690..6968		
Seq. No.	33419	Seq. ID	OJ000251_46.0217.C6
Gene No.	69295	Strand	-
Start	3424	End	7806
Name	OJ000251_46.0217.C6.o5.tw	Method	TBLASTX:Wheat
Start	6755	End	7056
GI	none	Score	245

Exons	6755..7018, 6756..7019, 6764..7054, 6976..7056		
Seq. No.	33419	Seq. ID	OJ000251_46.0217.C6
Gene No.	69295	Strand	-
Start	3424	End	7806
Name	OJ000251_46.0217.C6.o1.ts	Method	TBLASTX:Soybean
Start	6770	End	7165
GI	none	Score	160
Exons	6770..7021, 6771..7013, 6800..7117, 6982..7122, 7076..7129, 7133..7165, 7137..7163		
Seq. No.	33419	Seq. ID	OJ000251_46.0217.C6
Gene No.	69295	Strand	-
Start	3424	End	7806
Name	OJ000251_46.0217.C6.o4.tm	Method	TBLASTX:Maize
Start	7082	End	7519
GI	none	Score	109
Exons	7082..7519, 7149..7448		
Seq. No.	33419	Seq. ID	OJ000251_46.0217.C6
Gene No.	69295	Strand	-
Start	3424	End	7806
Name	OJ000251_46.0217.C6.o4.tw	Method	TBLASTX:Wheat
Start	7106	End	7588
GI	none	Score	268
Exons	7106..7588, 7149..7484		
Seq. No.	33419	Seq. ID	OJ000251_46.0217.C6
Gene No.	69295	Strand	-
Start	3424	End	7806
Name	OJ000251_46.0217.C6.o4.ts	Method	TBLASTX:Soybean
Start	7238	End	7552
GI	none	Score	183
Exons	7238..7552		
Seq. No.	33420	Seq. ID	OJ000251_46.0217.C7
Gene No.	69296	Strand	+
Start	142	End	13693
Name	OJ000251_46.0217.C7.o1.np	Method	AAT/NAP
Start	142	End	13693
GI	5042454	Score	98
Exons	142..301, 632..816, 2388..2616, 10103..10307, 13655..13693		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	33420	Seq. ID	OJ000251_46.0217.C7
Gene No.	69296	Strand	+
Start	142	End	13693
Name	OJ000251_46.0217.C7.o3.np	Method	AAT/NAP
Start	7326	End	9262
GI	1903264	Score	108
Exons	7326..7661, 9193..9262		
GI Descrip.	(Y11824) hypothetical protein [Pisum sativum]		
Seq. No.	33420	Seq. ID	OJ000251_46.0217.C7
Gene No.	69297	Strand	+
Start	16001	End	16078
Name	OJ000251_46.0217.C7.o5.np	Method	AAT/NAP

Start	16001	End	16078
GI	6630699	Score	80
Exons	16001..16078		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	33420	Seq. ID	OJ000251_46.0217.C7
Gene No.	69298	Strand	+
Start	20238	End	21543
Name	OJ000251_46.0217.C7.o6.np	Method	AAT/NAP
Start	20238	End	21543
GI	6815099	Score	75
Exons	20238..20269, 21420..21543		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	33420	Seq. ID	OJ000251_46.0217.C7
Gene No.	69299	Strand	-
Start	4237	End	12402
Name	OJ000251_46.0217.C7.o1.gp	Method	AAT/GAP
Start	4195	End	4648
GI	none	Score	815
Exons	4195..4648		

Seq. No.	33420	Seq. ID	OJ000251_46.0217.C7
Gene No.	69299	Strand	-
Start	4237	End	12402
Name	OJ000251_46.0217.C7.o2.gs	Method	GENSCAN
Start	4237	End	12402
GI	none	Score	.68
Exons	4237..4686, 6099..6206, 6288..6359, 6460..6559, 6647..6724, 7252..7459, 7519..7725, 7893..8273, 10280..10590, 12290..12402		

Seq. No.	33420	Seq. ID	OJ000251_46.0217.C7
Gene No.	69299	Strand	-
Start	4237	End	12402
Name	OJ000251_46.0217.C7.o2.np	Method	AAT/NAP
Start	4348	End	10181
GI	4510381	Score	310
Exons	4348..4686, 6099..6206, 6288..6359, 6460..6559, 6647..6714, 10126..10181		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	33420	Seq. ID	OJ000251_46.0217.C7
Gene No.	69299	Strand	-
Start	4237	End	12402
Name	OJ000251_46.0217.C7.o2.gp	Method	AAT/GAP
Start	4608	End	7931
GI	14916_1.R1084	Score	1307
Exons	4608..4686, 6099..6206, 6288..6359, 6460..6559, 6647..6724, 6943..7001, 7100..7158, 7252..7408, 7893..7931		
GI Descrip.	'4510381/gb|AAD21469.1| 1.0e-44 (AC007017) unknown protein [Arabidopsis thaliana]'		

Seq. No.	33420	Seq. ID	OJ000251_46.0217.C7
Gene No.	69300	Strand	-
Start	12857	End	15941

Name	OJ000251_46.0217.C7.o4.np	Method	AAT/NAP
Start	12857	End	15941
GI	5922620	Score	788
Exons	12857..12956, 14303..14560, 14608..14770, 15011..15044, 15680..15704, 15750..15863, 15903..15941		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33420	Seq. ID	OJ000251_46.0217.C7
Gene No.	69300	Strand	-
Start	12857	End	15941
Name	OJ000251_46.0217.C7.o3.gs	Method	GENSCAN
Start	13602	End	15878
GI	none	Score	.68
Exons	13602..13688, 14120..14234, 14648..14770, 14855..15009, 15205..15368, 15680..15704, 15750..15878		

Seq. No.	33420	Seq. ID	OJ000251_46.0217.C7
Gene No.	69301	Strand	-
Start	22291	End	22463
Name	OJ000251_46.0217.C7.o1.tm	Method	TBLASTX:Maize
Start	3973	End	7288
GI	none	Score	82
Exons	3973..4053, 3990..4109, 3992..4108, 3993..4109, 3994..4113, 4110..4139, 4110..4139, 4114..4140, 4140..4181, 4141..4182, 4141..4188, 4181..4600, 4182..4271, 4183..4689, 4183..4689, 4422..4703, 6095..6211, 6096..6212, 6099..6164, 6100..6207, 6101..6208, 6283..6312, 6287..6361, 6288..6362, 6291..6362, 6454..6558, 6461..6484, 6531..6557, 6642..6686, 6646..6723, 6943..6984, 6976..6999, 6979..7002, 7097..7162, 7107..7172, 7250..7288, 7251..7286		

Seq. No.	33420	Seq. ID	OJ000251_46.0217.C7
Gene No.	69301	Strand	-
Start	22291	End	22463
Name	OJ000251_46.0217.C7.o1.tc	Method	TBLASTX:Cress
Start	6126	End	6504
GI	none	Score	66
Exons	6126..6212, 6133..6207, 6288..6362, 6454..6504		

Seq. No.	33420	Seq. ID	OJ000251_46.0217.C7
Gene No.	69301	Strand	-
Start	22291	End	22463
Name	OJ000251_46.0217.C7.o4.gp	Method	AAT/GAP
Start	22291	End	22463
GI	10431_1.R1084	Score	303
Exons	22291..22463		
GI Descrip.	'1256198/dbj|D63711|RICTNR3 4.0e-82 Rice transposon Tnr3 DNA, complete sequence'		

Seq. No.	33421	Seq. ID	OJ000251_46.0217.C8
Gene No.	69302	Strand	+
Start	1210	End	1697
Name	OJ000251_46.0217.C8.o1.gs	Method	GENSCAN

Start	1210	End	1697
GI	none	Score	.57
Exons	1210..1357, 1582..1697		

Seq. No.	33422	Seq. ID	OJ000251_46.0217.C9
Gene No.	69303	Strand	+
Start	1813	End	2238
Name	OJ000251_46.0217.C9.o1.gp	Method	AAT/GAP
Start	1813	End	2238
GI	LIB3479-006-Q6-K1-B11	Score	620
Exons	1813..2238		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	33422	Seq. ID	OJ000251_46.0217.C9
Gene No.	69304	Strand	+
Start	2178	End	5428
Name	OJ000251_46.0217.C9.o1.gs	Method	GENSCAN
Start	2178	End	4662
GI	none	Score	.54
Exons	2178..2484, 2862..3025, 3224..3367, 3369..3720, 3954..4108, 4190..4276, 4576..4662		

Seq. No.	33422	Seq. ID	OJ000251_46.0217.C9
Gene No.	69304	Strand	+
Start	2178	End	5428
Name	OJ000251_46.0217.C9.o1.np	Method	AAT/NAP
Start	2293	End	5428
GI	5922620	Score	414
Exons	2293..2331, 2372..2504, 3562..3638, 3737..3992, 5207..5428		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33422	Seq. ID	OJ000251_46.0217.C9
Gene No.	69305	Strand	+
Start	6984	End	8569
Name	OJ000251_46.0217.C9.o3.gs	Method	GENSCAN
Start	6984	End	7610
GI	none	Score	.72
Exons	6984..7610		

Seq. No.	33422	Seq. ID	OJ000251_46.0217.C9
Gene No.	69305	Strand	+
Start	6984	End	8569
Name	OJ000251_46.0217.C9.o3.np	Method	AAT/NAP
Start	6998	End	8569
GI	322873	Score	148
Exons	6998..7296, 8542..8569		
GI Descrip.	hypothetical protein 2 - maize transposon En-1 gi|225006|prf||1206239B ORF 2 [Zea mays]		

Seq. No.	33422	Seq. ID	OJ000251_46.0217.C9
Gene No.	69306	Strand	-
Start	5208	End	5558

Name	OJ000251_46.0217.C9.o2.gs	Method	GENSCAN
Start	5208	End	5558
GI	none	Score	.79
Exons	5208..5398, 5513..5558		

Seq. No.	33422	Seq. ID	OJ000251_46.0217.C9
Gene No.	69307	Strand	-
Start	5567	End	5646
Name	OJ000251_46.0217.C9.o2.np	Method	AAT/NAP
Start	5567	End	5646
GI	6630699	Score	77
Exons	5567..5646		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	33422	Seq. ID	OJ000251_46.0217.C9
Gene No.	69308	Strand	-
Start	8085	End	12275
Name	OJ000251_46.0217.C9.o4.gs	Method	GENSCAN
Start	8085	End	12275
GI	none	Score	.4
Exons	8085..8202, 8377..8525, 8610..8713, 10156..10203, 12068..12275		

Seq. No.	33423	Seq. ID	OJ000251_46.0217.C10
Gene No.	69309	Strand	-
Start	59	End	488
Name	OJ000251_46.0217.C10.o1.gs	Method	GENSCAN
Start	59	End	488
GI	none	Score	.93
Exons	59..488		

Seq. No.	33424	Seq. ID	OJ000251_46.0217.C11
Gene No.	69310	Strand	+
Start	1	End	3214
Name	OJ000251_46.0217.C11.o1.np	Method	AAT/NAP
Start	1	End	3214
GI	6751696	Score	122
Exons	1..557, 668..919, 950..1080, 3133..3214		
GI Descrip.	(AC018908) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33424	Seq. ID	OJ000251_46.0217.C11
Gene No.	69310	Strand	+
Start	1	End	3214
Name	OJ000251_46.0217.C11.o1.gs	Method	GENSCAN
Start	158	End	1166
GI	none	Score	.81
Exons	158..210, 328..727, 810..1166		

Seq. No.	33424	Seq. ID	OJ000251_46.0217.C11
Gene No.	69311	Strand	+
Start	7440	End	8145
Name	OJ000251_46.0217.C11.o3.gs	Method	GENSCAN
Start	7440	End	8145
GI	none	Score	.59
Exons	7440..7591, 7952..8145		

Seq. No.	33424	Seq. ID	OJ000251_46.0217.C11
Gene No.	69312	Strand	-
Start	51	End	1226
Name	OJ000251_46.0217.C11.o2.np	Method	AAT/NAP
Start	51	End	1226
GI	6815109	Score	319
Exons	51..1226		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	33424	Seq. ID	OJ000251_46.0217.C11
Gene No.	69313	Strand	-
Start	1928	End	2021
Name	OJ000251_46.0217.C11.o3.np	Method	AAT/NAP
Start	1928	End	2021
GI	4680183	Score	108
Exons	1928..2021		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	33424	Seq. ID	OJ000251_46.0217.C11
Gene No.	69314	Strand	-
Start	2741	End	6680
Name	OJ000251_46.0217.C11.o4.np	Method	AAT/NAP
Start	2741	End	6110
GI	4680341	Score	630
Exons	2741..2808, 5042..5109, 5408..5789, 5848..5931, 5957..6110		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	33424	Seq. ID	OJ000251_46.0217.C11
Gene No.	69314	Strand	-
Start	2741	End	6680
Name	OJ000251_46.0217.C11.o1.tw	Method	TBLASTX:Wheat
Start	5119	End	6680
GI	none	Score	52
Exons	5119..5178, 5129..5191, 5284..5349, 5285..5350, 5285..5374, 5286..5375, 5292..5363, 5405..5518, 5421..5519, 5456..5521, 6621..6680		

Seq. No.	33425	Seq. ID	OJ000251_46.0217.C12
Gene No.	69315	Strand	+
Start	46	End	3429
Name	OJ000251_46.0217.C12.o1.np	Method	AAT/NAP
Start	46	End	2558
GI	6742729	Score	2843
Exons	46..552, 1105..2558		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	33425	Seq. ID	OJ000251_46.0217.C12
Gene No.	69315	Strand	+
Start	46	End	3429
Name	OJ000251_46.0217.C12.o1.gs	Method	GENSCAN
Start	170	End	3094
GI	none	Score	.47
Exons	170..505, 1121..1307, 1523..1701, 1804..2543, 2562..3094		

Seq. No.	33425	Seq. ID	OJ000251_46.0217.C12
Gene No.	69315	Strand	+
Start	46	End	3429

Name	OJ000251_46.0217.C12.o2.np	Method	AAT/NAP
Start	2080	End	3429
GI	4734013	Score	166
Exons	2080..2394, 2464..2867, 3381..3429		
GI Descrip.	(AC007112) putative TNP1-like transposon protein [Arabidopsis thaliana]		

Seq. No.	33425	Seq. ID	OJ000251_46.0217.C12
Gene No.	69316	Strand	-
Start	66	End	3329
Name	OJ000251_46.0217.C12.o1.gp	Method	AAT/GAP
Start	66	End	3329
GI	342_1.R1084	Score	4254
Exons	66..542, 1095..3329		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	33425	Seq. ID	OJ000251_46.0217.C12
Gene No.	69316	Strand	-
Start	66	End	3329
Name	OJ000251_46.0217.C12.o2.tc	Method	TBLASTX:Cress
Start	73	End	367
GI	none	Score	72
Exons	73..213, 212..367, 220..363		

Seq. No.	33425	Seq. ID	OJ000251_46.0217.C12
Gene No.	69316	Strand	-
Start	66	End	3329
Name	OJ000251_46.0217.C12.o2.tw	Method	TBLASTX:Wheat
Start	153	End	1176
GI	none	Score	49
Exons	153..302, 166..234, 187..309, 395..547, 415..552, 418..546,	212..313, 317..415, 322..411, 1078..1176, 1085..1171	

Seq. No.	33425	Seq. ID	OJ000251_46.0217.C12
Gene No.	69316	Strand	-
Start	66	End	3329
Name	OJ000251_46.0217.C12.o2.tm	Method	TBLASTX:Maize
Start	208	End	1210
GI	none	Score	238
Exons	208..453, 209..454, 209..454,	464..562, 1085..1210	

Seq. No.	33425	Seq. ID	OJ000251_46.0217.C12
Gene No.	69316	Strand	-
Start	66	End	3329
Name	OJ000251_46.0217.C12.o3.tm	Method	TBLASTX:Maize
Start	567	End	836
GI	none	Score	196
Exons	567..836		

Seq. No.	33425	Seq. ID	OJ000251_46.0217.C12
Gene No.	69316	Strand	-
Start	66	End	3329
Name	OJ000251_46.0217.C12.o3.tw	Method	TBLASTX:Wheat
Start	1315	End	1719
GI	none	Score	87
Exons	1315..1365, 1316..1378, 1364..1426,	1408..1605, 1410..1565,	

1420..1629, 1638..1718, 1639..1719

Seq. No.	33425	Seq. ID	OJ000251_46.0217.C12
Gene No.	69316	Strand	-
Start	66	End	3329
Name	OJ000251_46.0217.C12.o1.tw	Method	TBLASTX:Wheat
Start	1720	End	3042
GI	none	Score	538
Exons	1720..1905, 1725..2627, 1726..2151, 2024..2170, 2200..2643, 2637..2678, 2637..2681, 2638..2682, 2685..2780, 2689..2748, 2727..2867, 2728..2856, 2758..2874, 2796..2876, 2880..2918, 2881..2961, 2950..3042, 2954..3025, 2976..3041		

Seq. No.	33425	Seq. ID	OJ000251_46.0217.C12
Gene No.	69316	Strand	-
Start	66	End	3329
Name	OJ000251_46.0217.C12.o1.tm	Method	TBLASTX:Maize
Start	1768	End	2082
GI	none	Score	288
Exons	1768..2082, 1779..2054, 1852..2082		

Seq. No.	33425	Seq. ID	OJ000251_46.0217.C12
Gene No.	69316	Strand	-
Start	66	End	3329
Name	OJ000251_46.0217.C12.o1.tc	Method	TBLASTX:Cress
Start	2013	End	2462
GI	none	Score	183
Exons	2013..2462, 2017..2151, 2051..2170, 2200..2460		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69317	Strand	+
Start	8478	End	20257
Name	OJ000251_46.0217.C13.o1.np	Method	AAT/NAP
Start	8165	End	20257
GI	2586082	Score	4265
Exons	8165..10489, 11369..11406, 14908..14959, 15217..16744, 19863..20257		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69317	Strand	+
Start	8478	End	20257
Name	OJ000251_46.0217.C13.o4.gs	Method	GENSCAN
Start	8478	End	12518
GI	none	Score	.4
Exons	8478..9419, 12366..12518		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69317	Strand	+
Start	8478	End	20257
Name	OJ000251_46.0217.C13.o2.gp	Method	AAT/GAP
Start	10790	End	11357
GI	4879016	Score	859
Exons	10790..11357		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69317	Strand	+
Start	8478	End	20257
Name	OJ000251_46.0217.C13.o6.gs	Method	GENSCAN
Start	15286	End	18040
GI	none	Score	.68
Exons	15286..16396, 16427..16494, 17689..17922, 17972..18040		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69317	Strand	+
Start	8478	End	20257
Name	OJ000251_46.0217.C13.o4.gp	Method	AAT/GAP
Start	17883	End	18612
GI	101153_1.R1084	Score	423
Exons	17883..17930, 18389..18612		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69317	Strand	+
Start	8478	End	20257
Name	OJ000251_46.0217.C13.o5.gp	Method	AAT/GAP
Start	19605	End	19952
GI	61605_3.R1084	Score	432
Exons	19605..19856, 19924..19952		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69318	Strand	+
Start	24071	End	24147
Name	OJ000251_46.0217.C13.o6.gp	Method	AAT/GAP
Start	24071	End	24147
GI	LIB3477-003-P1-K1-E9	Score	115
Exons	24071..24147		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69319	Strand	-
Start	5050	End	6209
Name	OJ000251_46.0217.C13.o2.gs	Method	GENSCAN
Start	5050	End	6209
GI	none	Score	.71
Exons	5050..5107, 5416..5598, 5953..6209		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69320	Strand	-
Start	7305	End	7755
Name	OJ000251_46.0217.C13.o3.gs	Method	GENSCAN
Start	7305	End	7755
GI	none	Score	.45
Exons	7305..7495, 7503..7755		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13

Gene No.	69321	Strand	-
Start	12118	End	12499
Name	OJ000251_46.0217.C13.o3.gp	Method	AAT/GAP
Start	12118	End	12499
GI	uC-osflcyp033a04b1	Score	679
Exons	12118..12499		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69322	Strand	-
Start	13367	End	13946
Name	OJ000251_46.0217.C13.o5.gs	Method	GENSCAN
Start	13367	End	13946
GI	none	Score	.56
Exons	13367..13481, 13574..13713, 13755..13946		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69323	Strand	-
Start	18360	End	21385
Name	OJ000251_46.0217.C13.o7.gs	Method	GENSCAN
Start	18360	End	21385
GI	none	Score	.51
Exons	18360..18485, 18964..18998, 19544..19661, 20946..21089, 21239..21385		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69324	Strand	-
Start	23328	End	25973
Name	OJ000251_46.0217.C13.o2.np	Method	AAT/NAP
Start	23328	End	25799
GI	6056422	Score	536
Exons	23328..24022, 25553..25799		
GI Descrip.	(AC009525) Similar to pectinesterases [Arabidopsis thaliana]		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69324	Strand	-
Start	23328	End	25973
Name	OJ000251_46.0217.C13.o8.gs	Method	GENSCAN
Start	23328	End	25973
GI	none	Score	.66
Exons	23328..24022, 25553..25973		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69325	Strand	-
Start	27075	End	27547
Name	OJ000251_46.0217.C13.o4.tw	Method	TBLASTX:Wheat
Start	2023	End	2424
GI	none	Score	201
Exons	2023..2259, 2023..2166, 2124..2267, 2319..2423, 2329..2424		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69325	Strand	-
Start	27075	End	27547
Name	OJ000251_46.0217.C13.o4.tc	Method	TBLASTX:Cress
Start	8226	End	8732
GI	none	Score	87

Exons	8226..8342, 8322..8732		
Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69325	Strand	-
Start	27075	End	27547
Name	OJ000251_46.0217.C13.o3.tm	Method	TBLASTX:Maize
Start	8232	End	8678
GI	none	Score	103
Exons	8232..8327, 8249..8323, 8382..8678, 8393..8509, 8568..8678		
Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69325	Strand	-
Start	27075	End	27547
Name	OJ000251_46.0217.C13.o7.tw	Method	TBLASTX:Wheat
Start	8493	End	8843
GI	none	Score	226
Exons	8493..8843		
Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69325	Strand	-
Start	27075	End	27547
Name	OJ000251_46.0217.C13.o7.tm	Method	TBLASTX:Maize
Start	9012	End	9356
GI	none	Score	80
Exons	9012..9080, 9017..9055, 9114..9191, 9114..9167, 9251..9355, 9255..9356		
Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69325	Strand	-
Start	27075	End	27547
Name	OJ000251_46.0217.C13.o2.tw	Method	TBLASTX:Wheat
Start	9098	End	9444
GI	none	Score	96
Exons	9098..9337, 9098..9424, 9099..9428, 9111..9425, 9298..9435, 9316..9444		
Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69325	Strand	-
Start	27075	End	27547
Name	OJ000251_46.0217.C13.o5.ts	Method	TBLASTX:Soybean
Start	9525	End	9938
GI	none	Score	77
Exons	9525..9605, 9633..9743, 9759..9938		
Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69325	Strand	-
Start	27075	End	27547
Name	OJ000251_46.0217.C13.o5.tm	Method	TBLASTX:Maize
Start	9949	End	10371
GI	none	Score	59
Exons	9949..10035, 10057..10371		
Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69325	Strand	-
Start	27075	End	27547
Name	OJ000251_46.0217.C13.o2.tc	Method	TBLASTX:Cress
Start	9952	End	10401

GI	none	Score	312
Exons	9952..10401		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69325	Strand	-
Start	27075	End	27547
Name	OJ000251_46.0217.C13.o4.ts	Method	TBLASTX:Soybean
Start	9964	End	10380
GI	none	Score	238
Exons	9964..10380		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69325	Strand	-
Start	27075	End	27547
Name	OJ000251_46.0217.C13.o5.tw	Method	TBLASTX:Wheat
Start	10054	End	10401
GI	none	Score	259
Exons	10054..10401, 10269..10397		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69325	Strand	-
Start	27075	End	27547
Name	OJ000251_46.0217.C13.o2.ts	Method	TBLASTX:Soybean
Start	15607	End	16113
GI	5509260	Score	336
Exons	15607..16050, 15732..15887, 15933..16046, 16051..16113, 16056..16112		
GI Descrip.	-		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69325	Strand	-
Start	27075	End	27547
Name	OJ000251_46.0217.C13.o8.tm	Method	TBLASTX:Maize
Start	15646	End	15903
GI	none	Score	202
Exons	15646..15903, 15654..15863		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69325	Strand	-
Start	27075	End	27547
Name	OJ000251_46.0217.C13.o3.tc	Method	TBLASTX:Cress
Start	15732	End	15993
GI	none	Score	305
Exons	15732..15992, 15733..15993		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69325	Strand	-
Start	27075	End	27547
Name	OJ000251_46.0217.C13.o3.tw	Method	TBLASTX:Wheat
Start	15775	End	16290
GI	none	Score	235
Exons	15775..16050, 15792..16037, 16051..16122, 16114..16290, 16168..16191		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69325	Strand	-
Start	27075	End	27547

Name	OJ000251_46.0217.C13.o2.tm	Method	TBLASTX:Maize
Start	15907	End	16356
GI	none	Score	142
Exons	15907..16050, 15930..16037, 16038..16223, 16051..16356		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69325	Strand	-
Start	27075	End	27547
Name	OJ000251_46.0217.C13.o1.tw	Method	TBLASTX:Wheat
Start	16291	End	16731
GI	none	Score	328
Exons	16291..16593, 16291..16572, 16296..16577, 16594..16731, 16644..16730		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69325	Strand	-
Start	27075	End	27547
Name	OJ000251_46.0217.C13.o6.tm	Method	TBLASTX:Maize
Start	16423	End	16659
GI	none	Score	218
Exons	16423..16593, 16428..16580, 16429..16593, 16594..16659		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69325	Strand	-
Start	27075	End	27547
Name	OJ000251_46.0217.C13.o3.ts	Method	TBLASTX:Soybean
Start	16492	End	20206
GI	none	Score	113
Exons	16492..16593, 16495..16593, 16594..16746, 16689..16745, 19859..20056, 19864..19983, 20060..20206, 20068..20100		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69325	Strand	-
Start	27075	End	27547
Name	OJ000251_46.0217.C13.o4.tm	Method	TBLASTX:Maize
Start	16662	End	20200
GI	none	Score	69
Exons	16662..16709, 16662..16739, 16663..16743, 19859..19909, 19916..20059, 20060..20200		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69325	Strand	-
Start	27075	End	27547
Name	OJ000251_46.0217.C13.o1.ts	Method	TBLASTX:Soybean
Start	23358	End	24005
GI	none	Score	67
Exons	23358..23507, 23362..23490, 23538..23654, 23542..23637, 23658..24005, 23662..23736, 23788..23859, 23944..24003		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69325	Strand	-
Start	27075	End	27547
Name	OJ000251_46.0217.C13.o1.tm	Method	TBLASTX:Maize
Start	23359	End	24023
GI	none	Score	67
Exons	23359..23484, 23364..23510, 23541..23642, 23614..23640, 23650..23886, 23670..24023, 23674..23886, 23895..23978		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69325	Strand	-
Start	27075	End	27547
Name	OJ000251_46.0217.C13.o1.tc	Method	TBLASTX:Cress
Start	23364	End	25802
GI	none	Score	73
Exons	23364..23429, 23415..23507, 23541..23636, 23542..23637, 23665..23832, 23667..24023, 23875..24024, 25551..25655, 25719..25802		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69325	Strand	-
Start	27075	End	27547
Name	OJ000251_46.0217.C13.o6.tw	Method	TBLASTX:Wheat
Start	23565	End	23979
GI	none	Score	44
Exons	23565..23642, 23605..23643, 23670..23978, 23674..23886, 23944..23979		

Seq. No.	33426	Seq. ID	OJ000251_46.0217.C13
Gene No.	69325	Strand	-
Start	27075	End	27547
Name	OJ000251_46.0217.C13.o9.gs	Method	GENSCAN
Start	27075	End	27547
GI	none	Score	.63
Exons	27075..27168, 27515..27547		

Seq. No.	33427	Seq. ID	OJ000251_46.0217.C14
Gene No.	69326	Strand	+
Start	128	End	271
Name	OJ000251_46.0217.C14.o1.gs	Method	GENSCAN
Start	128	End	271
GI	none	Score	.68
Exons	128..271		

Seq. No.	33428	Seq. ID	OJ000251_46.0217.C16
Gene No.	69327	Strand	+
Start	1	End	237
Name	OJ000251_46.0217.C16.o1.np	Method	AAT/NAP
Start	1	End	234
GI	5922619	Score	96
Exons	1..79, 135..234		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	33428	Seq. ID	OJ000251_46.0217.C16
Gene No.	69327	Strand	+
Start	1	End	237
Name	OJ000251_46.0217.C16.o1.gs	Method	GENSCAN
Start	127	End	237
GI	none	Score	.98
Exons	127..237		

Seq. No.	33429	Seq. ID	OJ000251_46.0217.C19
Gene No.	69328	Strand	+

Start	54	End	691
Name	OJ000251_46.0217.C19.o1.gs	Method	GENSCAN
Start	54	End	691
GI	none	Score	.78
Exons	54..345, 494..691		

Seq. No.	33430	Seq. ID	OJ000251_46.0217.C22
Gene No.	69329	Strand	-
Start	264	End	548
Name	OJ000251_46.0217.C22.o1.gs	Method	GENSCAN
Start	264	End	548
GI	none	Score	.73
Exons	264..548		

Seq. No.	33431	Seq. ID	OJ000251_46.0217.C25
Gene No.	69330	Strand	+
Start	145	End	575
Name	OJ000251_46.0217.C25.o1.gs	Method	GENSCAN
Start	145	End	575
GI	none	Score	.6
Exons	145..575		

Seq. No.	33432	Seq. ID	OJ000251_46.0217.C26
Gene No.	69331	Strand	+
Start	1	End	659
Name	OJ000251_46.0217.C26.o1.np	Method	AAT/NAP
Start	1	End	659
GI	4680341	Score	294
Exons	1..403, 429..512, 571..659		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	33432	Seq. ID	OJ000251_46.0217.C26
Gene No.	69331	Strand	+
Start	1	End	659
Name	OJ000251_46.0217.C26.o1.gs	Method	GENSCAN
Start	69	End	548
GI	none	Score	.82
Exons	69..379, 428..548		

Seq. No.	33433	Seq. ID	OJ000251_46.0217.C27
Gene No.	69332	Strand	-
Start	457	End	504
Name	OJ000251_46.0217.C27.o1.gs	Method	GENSCAN
Start	457	End	504
GI	none	Score	.93
Exons	457..504		

Seq. No.	33434	Seq. ID	OJ000251_46.0217.C28
Gene No.	69333	Strand	-
Start	1	End	633
Name	OJ000251_46.0217.C28.o1.np	Method	AAT/NAP
Start	1	End	633
GI	6498441	Score	872
Exons	1..633		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	33434	Seq. ID	OJ000251_46.0217.C28
Gene No.	69333	Strand	-
Start	1	End	633
Name	OJ000251_46.0217.C28.o1.tm	Method	TBLASTX:Maize
Start	39	End	317
GI	none	Score	175
Exons	39..317, 40..288		

Seq. No.	33434	Seq. ID	OJ000251_46.0217.C28
Gene No.	69333	Strand	-
Start	1	End	633
Name	OJ000251_46.0217.C28.o1.tw	Method	TBLASTX:Wheat
Start	42	End	419
GI	none	Score	109
Exons	42..419, 103..261, 126..305		

Seq. No.	33434	Seq. ID	OJ000251_46.0217.C28
Gene No.	69333	Strand	-
Start	1	End	633
Name	OJ000251_46.0217.C28.o1.gs	Method	GENSCAN
Start	126	End	485
GI	none	Score	.64
Exons	126..485		

Seq. No.	33435	Seq. ID	OJ000251_46.0217.C31
Gene No.	69334	Strand	+
Start	1	End	136
Name	OJ000251_46.0217.C31.o1.np	Method	AAT/NAP
Start	1	End	136
GI	4680203	Score	95
Exons	1..136		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33435	Seq. ID	OJ000251_46.0217.C31
Gene No.	69335	Strand	+
Start	85	End	174
Name	OJ000251_46.0217.C31.o1.gs	Method	GENSCAN
Start	85	End	174
GI	none	Score	.96
Exons	85..174		

Seq. No.	33435	Seq. ID	OJ000251_46.0217.C31
Gene No.	69336	Strand	-
Start	1	End	237
Name	OJ000251_46.0217.C31.o1.gp	Method	AAT/GAP
Start	1	End	237
GI	LIB3431-028-P1-N1-A10	Score	312
Exons	1..122, 167..237		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	33436	Seq. ID	OJ000251_46.0217.C33
Gene No.	69337	Strand	-
Start	1	End	570
Name	OJ000251_46.0217.C33.o1.np	Method	AAT/NAP
Start	1	End	570

GI	5042447	Score	531
Exons	1..570		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	33436	Seq. ID	OJ000251_46.0217.C33
Gene No.	69337	Strand	-
Start	1	End	570
Name	OJ000251_46.0217.C33.o1.tm	Method	TBLASTX:Maize
Start	65	End	303
GI	none	Score	123
Exons	65..205, 67..303		

Seq. No.	33436	Seq. ID	OJ000251_46.0217.C33
Gene No.	69337	Strand	-
Start	1	End	570
Name	OJ000251_46.0217.C33.o1.tw	Method	TBLASTX:Wheat
Start	65	End	315
GI	none	Score	119
Exons	65..211, 67..315		

Seq. No.	33436	Seq. ID	OJ000251_46.0217.C33
Gene No.	69337	Strand	-
Start	1	End	570
Name	OJ000251_46.0217.C33.o1.gs	Method	GENSCAN
Start	106	End	345
GI	none	Score	.69
Exons	106..345		

Seq. No.	33437	Seq. ID	OJ000251_46.0217.C34
Gene No.	69338	Strand	-
Start	1	End	836
Name	OJ000251_46.0217.C34.o1.np	Method	AAT/NAP
Start	1	End	836
GI	5852182	Score	350
Exons	1..311, 725..836		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	33438	Seq. ID	OJ000251_46.0217.C36
Gene No.	69339	Strand	-
Start	1	End	650
Name	OJ000251_46.0217.C36.o1.np	Method	AAT/NAP
Start	1	End	650
GI	322873	Score	69
Exons	1..138, 623..650		
GI Descrip.	hypothetical protein 2 - maize transposon En-1 gi|225006|prf||1206239B ORF 2 [Zea mays]		

Seq. No.	33439	Seq. ID	OJ000251_46.0217.C37
Gene No.	69340	Strand	+
Start	159	End	264
Name	OJ000251_46.0217.C37.o1.np	Method	AAT/NAP
Start	159	End	264
GI	6815099	Score	70
Exons	159..264		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	33440	Seq. ID	OJ000251_46.0217.C38

Gene No.	69341	Strand	+
Start	1	End	667
Name	OJ000251_46.0217.C38.o1.np	Method	AAT/NAP
Start	1	End	667
GI	5922620	Score	285
Exons	1..351, 399..667		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33441	Seq. ID	OJ000251_46.0217.C39
Gene No.	69342	Strand	+
Start	1	End	675
Name	OJ000251_46.0217.C39.o1.np	Method	AAT/NAP
Start	1	End	675
GI	5852180	Score	225
Exons	1..84, 425..675		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	33442	Seq. ID	OJ000251_46.0217.C41
Gene No.	69343	Strand	+
Start	1	End	1095
Name	OJ000251_46.0217.C41.o1.np	Method	AAT/NAP
Start	1	End	1095
GI	4680203	Score	709
Exons	1..43, 360..1095		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33442	Seq. ID	OJ000251_46.0217.C41
Gene No.	69343	Strand	+
Start	1	End	1095
Name	OJ000251_46.0217.C41.o1.gs	Method	GENSCAN
Start	549	End	1091
GI	none	Score	.48
Exons	549..819, 859..1091		

Seq. No.	33442	Seq. ID	OJ000251_46.0217.C41
Gene No.	69343	Strand	+
Start	1	End	1095
Name	OJ000251_46.0217.C41.o1.tw	Method	TBLASTX:Wheat
Start	666	End	1062
GI	none	Score	101
Exons	666..818, 801..1052, 802..1044, 809..1051, 820..1062		

Seq. No.	33442	Seq. ID	OJ000251_46.0217.C41
Gene No.	69343	Strand	+
Start	1	End	1095
Name	OJ000251_46.0217.C41.o1.ts	Method	TBLASTX:Soybean
Start	834	End	1052
GI	none	Score	216
Exons	834..1052, 842..1048		

Seq. No.	33443	Seq. ID	OJ000251_46.0217.C45
Gene No.	69344	Strand	+
Start	67	End	515

Name	OJ000251_46.0217.C45.o1.gs	Method	GENSCAN
Start	67	End	515
GI	none	Score	.42
Exons	67..301, 445..515		

Seq. No.	33444	Seq. ID	OJ000251_46.0217.C47
Gene No.	69345	Strand	+
Start	81	End	527
Name	OJ000251_46.0217.C47.o1.tc	Method	TBLASTX:Cress
Start	2	End	121
GI	none	Score	178
Exons	2..121, 3..119		

Seq. No.	33444	Seq. ID	OJ000251_46.0217.C47
Gene No.	69345	Strand	+
Start	81	End	527
Name	OJ000251_46.0217.C47.o1.gs	Method	GENSCAN
Start	81	End	404
GI	none	Score	.61
Exons	81..404		

Seq. No.	33444	Seq. ID	OJ000251_46.0217.C47
Gene No.	69345	Strand	+
Start	81	End	527
Name	OJ000251_46.0217.C47.o1.np	Method	AAT/NAP
Start	81	End	527
GI	5103193	Score	783
Exons	81..527		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi|5738084|gb|AAD50242.1|AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		

Seq. No.	33445	Seq. ID	OJ000251_46.0217.C49
Gene No.	69346	Strand	+
Start	1	End	1117
Name	OJ000251_46.0217.C49.o1.np	Method	AAT/NAP
Start	1	End	1117
GI	6907089	Score	1382
Exons	1..655, 750..1117		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	33445	Seq. ID	OJ000251_46.0217.C49
Gene No.	69346	Strand	+
Start	1	End	1117
Name	OJ000251_46.0217.C49.o1.gs	Method	GENSCAN
Start	39	End	891
GI	none	Score	.98
Exons	39..655, 750..891		

Seq. No.	33446	Seq. ID	OJ000251_46.0217.C52
Gene No.	69347	Strand	+
Start	1	End	427
Name	OJ000251_46.0217.C52.o1.np	Method	AAT/NAP
Start	1	End	427
GI	2586082	Score	273
Exons	1..427		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	33446	Seq. ID	OJ000251_46.0217.C52
Gene No.	69347	Strand	+
Start	1	End	427
Name	OJ000251_46.0217.C52.o1.gs	Method	GENSCAN
Start	52	End	223
GI	none	Score	.9
Exons	52..223		

Seq. No.	33446	Seq. ID	OJ000251_46.0217.C52
Gene No.	69347	Strand	+
Start	1	End	427
Name	OJ000251_46.0217.C52.o1.tm	Method	TBLASTX:Maize
Start	68	End	224
GI	none	Score	156
Exons	68..190, 69..191, 192..224, 197..223		

Seq. No.	33447	Seq. ID	OJ000251_46.0217.C53
Gene No.	69348	Strand	+
Start	299	End	419
Name	OJ000251_46.0217.C53.o1.gs	Method	GENSCAN
Start	299	End	419
GI	none	Score	.62
Exons	299..419		

Seq. No.	33448	Seq. ID	OJ000251_46.0217.C54
Gene No.	69349	Strand	+
Start	1	End	384
Name	OJ000251_46.0217.C54.o1.np	Method	AAT/NAP
Start	1	End	384
GI	5042454	Score	121
Exons	1..96, 331..384		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	33448	Seq. ID	OJ000251_46.0217.C54
Gene No.	69350	Strand	+
Start	331	End	640
Name	OJ000251_46.0217.C54.o1.gs	Method	GENSCAN
Start	331	End	640
GI	none	Score	.88
Exons	331..501, 575..640		

Seq. No.	33449	Seq. ID	OJ000251_41.0216.C1
Gene No.	69351	Strand	
Start	31	End	786
Name	OJ000251_41.0216.C1.o2.tw	Method	TBLASTX:Wheat
Start	31	End	397
GI	none	Score	74
Exons	31..396, 152..397		

Seq. No.	33449	Seq. ID	OJ000251_41.0216.C1
Gene No.	69351	Strand	
Start	31	End	786
Name	OJ000251_41.0216.C1.o2.ts	Method	TBLASTX:Soybean
Start	154	End	552
GI	none	Score	63
Exons	154..552, 236..403		

Seq. No.	33449	Seq. ID	OJ000251_41.0216.C1
Gene No.	69351	Strand	
Start	31	End	786
Name	OJ000251_41.0216.C1.o1.tm	Method	TBLASTX:Maize
Start	409	End	786
GI	none	Score	202
Exons	409..786		

Seq. No.	33449	Seq. ID	OJ000251_41.0216.C1
Gene No.	69352	Strand	
Start	972	End	1415
Name	OJ000251_41.0216.C1.o1.tw	Method	TBLASTX:Wheat
Start	972	End	1370
GI	none	Score	80
Exons	972..1241, 1281..1370		

Seq. No.	33449	Seq. ID	OJ000251_41.0216.C1
Gene No.	69352	Strand	
Start	972	End	1415
Name	OJ000251_41.0216.C1.o1.ts	Method	TBLASTX:Soybean
Start	1005	End	1415
GI	none	Score	86
Exons	1005..1256, 1087..1257, 1198..1263, 1264..1413, 1277..1414, 1278..1415		

Seq. No.	33450	Seq. ID	OJ000251_41.0216.C2
Gene No.	69353	Strand	-
Start	1	End	2203
Name	OJ000251_41.0216.C2.o1.np	Method	AAT/NAP
Start	1	End	2203
GI	4544372	Score	582
Exons	1..911, 2145..2203		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	33450	Seq. ID	OJ000251_41.0216.C2
Gene No.	69353	Strand	-
Start	1	End	2203
Name	OJ000251_41.0216.C2.o1.ts	Method	TBLASTX:Soybean
Start	50	End	278
GI	none	Score	75
Exons	50..277, 75..182, 222..278		

Seq. No.	33450	Seq. ID	OJ000251_41.0216.C2
Gene No.	69353	Strand	-
Start	1	End	2203
Name	OJ000251_41.0216.C2.o1.tm	Method	TBLASTX:Maize
Start	71	End	352
GI	none	Score	219
Exons	71..352, 75..350		

Seq. No.	33450	Seq. ID	OJ000251_41.0216.C2
Gene No.	69353	Strand	-
Start	1	End	2203
Name	OJ000251_41.0216.C2.o1.gs	Method	GENSCAN
Start	74	End	1895

GI	none	Score	.73
Exons	74..620, 828..1037, 1153..1895		

Seq. No.	33450	Seq. ID	OJ000251_41.0216.C2
Gene No.	69353	Strand	-
Start	1	End	2203
Name	OJ000251_41.0216.C2.o1.tw	Method	TBLASTX:Wheat
Start	221	End	625
GI	none	Score	292
Exons	221..574, 222..566, 569..625, 579..620		

Seq. No.	33450	Seq. ID	OJ000251_41.0216.C2
Gene No.	69353	Strand	-
Start	1	End	2203
Name	OJ000251_41.0216.C2.o2.tm	Method	TBLASTX:Maize
Start	353	End	571
GI	none	Score	221
Exons	353..571, 354..566		

Seq. No.	33450	Seq. ID	OJ000251_41.0216.C2
Gene No.	69353	Strand	-
Start	1	End	2203
Name	OJ000251_41.0216.C2.o2.ts	Method	TBLASTX:Soybean
Start	422	End	787
GI	none	Score	140
Exons	422..556, 563..787		

Seq. No.	33450	Seq. ID	OJ000251_41.0216.C2
Gene No.	69353	Strand	-
Start	1	End	2203
Name	OJ000251_41.0216.C2.o2.tw	Method	TBLASTX:Wheat
Start	626	End	928
GI	none	Score	171
Exons	626..928		

Seq. No.	33450	Seq. ID	OJ000251_41.0216.C2
Gene No.	69353	Strand	-
Start	1	End	2203
Name	OJ000251_41.0216.C2.o3.ts	Method	TBLASTX:Soybean
Start	1137	End	1535
GI	none	Score	189
Exons	1137..1535		

Seq. No.	33451	Seq. ID	OJ000251_41.0216.C3
Gene No.	69354	Strand	-
Start	193	End	2646
Name	OJ000251_41.0216.C3.o1.gs	Method	GENSCAN
Start	193	End	2646
GI	none	Score	.44
Exons	193..975, 1288..1566, 1651..1688, 1725..1857, 1917..2074, 2142..2646		

Seq. No.	33451	Seq. ID	OJ000251_41.0216.C3
Gene No.	69355	Strand	-
Start	2676	End	6872
Name	OJ000251_41.0216.C3.o2.np	Method	AAT/NAP
Start	2676	End	4909

GI	5042463	Score	179
Exons	2676..2794, 2847..2978, 3636..3881, 4720..4909		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	33451	Seq. ID	OJ000251_41.0216.C3
Gene No.	69355	Strand	-
Start	2676	End	6872
Name	OJ000251_41.0216.C3.o2.gs	Method	GENSCAN
Start	4565	End	6531
GI	none	Score	.5
Exons	4565..4919, 4978..5307, 6524..6531		

Seq. No.	33451	Seq. ID	OJ000251_41.0216.C3
Gene No.	69355	Strand	-
Start	2676	End	6872
Name	OJ000251_41.0216.C3.o4.np	Method	AAT/NAP
Start	4756	End	6872
GI	5852181	Score	86
Exons	4756..5027, 5147..5334, 6850..6872		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	33452	Seq. ID	OJ000251_41.0216.C4
Gene No.	69356	Strand	+
Start	726	End	2569
Name	OJ000251_41.0216.C4.o1.gp	Method	AAT/GAP
Start	726	End	1107
GI	uC-osflcyp033a04b1	Score	667
Exons	726..1107		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	33452	Seq. ID	OJ000251_41.0216.C4
Gene No.	69356	Strand	+
Start	726	End	2569
Name	OJ000251_41.0216.C4.o1.gs	Method	GENSCAN
Start	904	End	2569
GI	none	Score	.92
Exons	904..975, 1994..2569		

Seq. No.	33452	Seq. ID	OJ000251_41.0216.C4
Gene No.	69357	Strand	+
Start	3050	End	5679
Name	OJ000251_41.0216.C4.o2.np	Method	AAT/NAP
Start	3050	End	5679
GI	5042447	Score	656
Exons	3050..3920, 4758..4793, 5018..5100, 5594..5679		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	33452	Seq. ID	OJ000251_41.0216.C4
Gene No.	69358	Strand	-
Start	659	End	5679
Name	OJ000251_41.0216.C4.o1.np	Method	AAT/NAP
Start	659	End	5679
GI	4680186	Score	362
Exons	659..859, 1697..1745, 5610..5679		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	33452	Seq. ID	OJ000251_41.0216.C4
Gene No.	69358	Strand	-
Start	659	End	5679
Name	OJ000251_41.0216.C4.o2.tw	Method	TBLASTX:Wheat
Start	3233	End	3492
GI	none	Score	211
Exons	3233..3280, 3293..3490, 3295..3492		

Seq. No.	33452	Seq. ID	OJ000251_41.0216.C4
Gene No.	69358	Strand	-
Start	659	End	5679
Name	OJ000251_41.0216.C4.o1.tw	Method	TBLASTX:Wheat
Start	3526	End	3877
GI	none	Score	293
Exons	3526..3705, 3527..3877		

Seq. No.	33452	Seq. ID	OJ000251_41.0216.C4
Gene No.	69358	Strand	-
Start	659	End	5679
Name	OJ000251_41.0216.C4.o1.tm	Method	TBLASTX:Maize
Start	3527	End	3832
GI	none	Score	236
Exons	3527..3832, 3541..3657		

Seq. No.	33453	Seq. ID	OJ000251_41.0216.C5
Gene No.	69359	Strand	+
Start	1	End	1804
Name	OJ000251_41.0216.C5.o1.np	Method	AAT/NAP
Start	1	End	1804
GI	6705984	Score	1916
Exons	1..1804		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	33453	Seq. ID	OJ000251_41.0216.C5
Gene No.	69359	Strand	+
Start	1	End	1804
Name	OJ000251_41.0216.C5.o1.tw	Method	TBLASTX:Wheat
Start	394	End	971
GI	none	Score	192
Exons	394..600, 411..602, 412..600, 607..963	601..963, 606..749, 606..971,	

Seq. No.	33453	Seq. ID	OJ000251_41.0216.C5
Gene No.	69359	Strand	+
Start	1	End	1804
Name	OJ000251_41.0216.C5.o2.tm	Method	TBLASTX:Maize
Start	396	End	633
GI	none	Score	59
Exons	396..515, 397..633, 397..594, 408..632		

Seq. No.	33453	Seq. ID	OJ000251_41.0216.C5
Gene No.	69359	Strand	+
Start	1	End	1804
Name	OJ000251_41.0216.C5.o2.ts	Method	TBLASTX:Soybean
Start	441	End	837
GI	none	Score	122
Exons	441..575, 442..576, 616..837, 636..824		

Seq. No.	33453	Seq. ID	OJ000251_41.0216.C5
Gene No.	69359	Strand	+
Start	1	End	1804
Name	OJ000251_41.0216.C5.o2.tw	Method	TBLASTX:Wheat
Start	1321	End	1803
GI	none	Score	342
Exons	1321..1596, 1333..1590, 1341..1595, 1595..1765, 1609..1803, 1610..1777, 1614..1790		

Seq. No.	33453	Seq. ID	OJ000251_41.0216.C5
Gene No.	69359	Strand	+
Start	1	End	1804
Name	OJ000251_41.0216.C5.o1.ts	Method	TBLASTX:Soybean
Start	1372	End	1803
GI	none	Score	206
Exons	1372..1644, 1407..1637, 1633..1803		

Seq. No.	33453	Seq. ID	OJ000251_41.0216.C5
Gene No.	69359	Strand	+
Start	1	End	1804
Name	OJ000251_41.0216.C5.o1.tm	Method	TBLASTX:Maize
Start	1561	End	1803
GI	none	Score	292
Exons	1561..1803, 1563..1796, 1567..1803		

Seq. No.	33454	Seq. ID	OJ000251_41.0216.C6
Gene No.	69360	Strand	+
Start	1	End	1309
Name	OJ000251_41.0216.C6.o1.np	Method	AAT/NAP
Start	1	End	1309
GI	6705984	Score	1784
Exons	1..1309		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	33454	Seq. ID	OJ000251_41.0216.C6
Gene No.	69360	Strand	+
Start	1	End	1309
Name	OJ000251_41.0216.C6.o2.ts	Method	TBLASTX:Soybean
Start	2	End	151
GI	none	Score	188
Exons	2..151, 8..145		

Seq. No.	33454	Seq. ID	OJ000251_41.0216.C6
Gene No.	69360	Strand	+
Start	1	End	1309
Name	OJ000251_41.0216.C6.o4.tm	Method	TBLASTX:Maize
Start	2	End	154
GI	none	Score	197
Exons	2..154, 4..120, 8..145		

Seq. No.	33454	Seq. ID	OJ000251_41.0216.C6
Gene No.	69360	Strand	+
Start	1	End	1309
Name	OJ000251_41.0216.C6.o2.tw	Method	TBLASTX:Wheat
Start	19	End	388
GI	none	Score	134

Exons	19..123, 20..172, 205..384, 206..388		
Seq. No.	33454	Seq. ID	OJ000251_41.0216.C6
Gene No.	69360	Strand	+
Start	1	End	1309
Name	OJ000251_41.0216.C6.o1.gs	Method	GENSCAN
Start	104	End	1010
GI	none	Score	.42
Exons	104..289, 365..540, 676..1010		
Seq. No.	33454	Seq. ID	OJ000251_41.0216.C6
Gene No.	69360	Strand	+
Start	1	End	1309
Name	OJ000251_41.0216.C6.o3.tm	Method	TBLASTX:Maize
Start	227	End	478
GI	none	Score	67
Exons	227..322, 335..478, 337..477		
Seq. No.	33454	Seq. ID	OJ000251_41.0216.C6
Gene No.	69360	Strand	+
Start	1	End	1309
Name	OJ000251_41.0216.C6.o1.tw	Method	TBLASTX:Wheat
Start	434	End	916
GI	none	Score	383
Exons	434..916, 529..882		
Seq. No.	33454	Seq. ID	OJ000251_41.0216.C6
Gene No.	69360	Strand	+
Start	1	End	1309
Name	OJ000251_41.0216.C6.o1.tm	Method	TBLASTX:Maize
Start	503	End	970
GI	none	Score	401
Exons	503..970, 578..937, 715..939		
Seq. No.	33454	Seq. ID	OJ000251_41.0216.C6
Gene No.	69360	Strand	+
Start	1	End	1309
Name	OJ000251_41.0216.C6.o1.ts	Method	TBLASTX:Soybean
Start	893	End	1252
GI	none	Score	341
Exons	893..1252, 1012..1239		
Seq. No.	33454	Seq. ID	OJ000251_41.0216.C6
Gene No.	69360	Strand	+
Start	1	End	1309
Name	OJ000251_41.0216.C6.o3.tw	Method	TBLASTX:Wheat
Start	965	End	1303
GI	none	Score	258
Exons	965..1303, 1012..1293		
Seq. No.	33454	Seq. ID	OJ000251_41.0216.C6
Gene No.	69360	Strand	+
Start	1	End	1309
Name	OJ000251_41.0216.C6.o2.tm	Method	TBLASTX:Maize
Start	1013	End	1303
GI	none	Score	259
Exons	1013..1303, 1054..1293		

Seq. No.	33455	Seq. ID	OJ000251_41.0216.C7
Gene No.	69361	Strand	+
Start	1938	End	8027
Name	OJ000251_41.0216.C7.o1.np	Method	AAT/NAP
Start	1938	End	7991
GI	5922631	Score	6687
Exons	1938..2062, 2321..2559, 2794..2996, 3042..3613, 3656..3807, 3934..4857, 5464..7991		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	33455	Seq. ID	OJ000251_41.0216.C7
Gene No.	69361	Strand	+
Start	1938	End	8027
Name	OJ000251_41.0216.C7.o2.gs	Method	GENSCAN
Start	1938	End	8027
GI	none	Score	.86
Exons	1938..2543, 2557..2718, 2724..4849, 4946..8027		

Seq. No.	33455	Seq. ID	OJ000251_41.0216.C7
Gene No.	69362	Strand	-
Start	136	End	1200
Name	OJ000251_41.0216.C7.o1.gs	Method	GENSCAN
Start	136	End	1200
GI	none	Score	.45
Exons	136..596, 666..1200		

Seq. No.	33455	Seq. ID	OJ000251_41.0216.C7
Gene No.	69363	Strand	-
Start	8344	End	12876
Name	OJ000251_41.0216.C7.o7.tw	Method	TBLASTX:Wheat
Start	3218	End	3620
GI	none	Score	294
Exons	3218..3487, 3219..3620		

Seq. No.	33455	Seq. ID	OJ000251_41.0216.C7
Gene No.	69363	Strand	-
Start	8344	End	12876
Name	OJ000251_41.0216.C7.o6.tw	Method	TBLASTX:Wheat
Start	4197	End	4654
GI	none	Score	149
Exons	4197..4373, 4260..4373, 4418..4654, 4422..4652		

Seq. No.	33455	Seq. ID	OJ000251_41.0216.C7
Gene No.	69363	Strand	-
Start	8344	End	12876
Name	OJ000251_41.0216.C7.o7.tm	Method	TBLASTX:Maize
Start	4506	End	4652
GI	none	Score	183
Exons	4506..4652, 4506..4595, 4523..4651		

Seq. No.	33455	Seq. ID	OJ000251_41.0216.C7
Gene No.	69363	Strand	-
Start	8344	End	12876
Name	OJ000251_41.0216.C7.o1.tw	Method	TBLASTX:Wheat
Start	4874	End	5330
GI	none	Score	497
Exons	4874..5329, 4875..5330		

Seq. No.	33455	Seq. ID	OJ000251_41.0216.C7
Gene No.	69363	Strand	-
Start	8344	End	12876
Name	OJ000251_41.0216.C7.o3.ts	Method	TBLASTX:Soybean
Start	4914	End	5279
GI	none	Score	138
Exons	4914..5138, 5145..5279		

Seq. No.	33455	Seq. ID	OJ000251_41.0216.C7
Gene No.	69363	Strand	-
Start	8344	End	12876
Name	OJ000251_41.0216.C7.o2.tm	Method	TBLASTX:Maize
Start	5004	End	5360
GI	none	Score	375
Exons	5004..5360, 5045..5350		

Seq. No.	33455	Seq. ID	OJ000251_41.0216.C7
Gene No.	69363	Strand	-
Start	8344	End	12876
Name	OJ000251_41.0216.C7.o2.tw	Method	TBLASTX:Wheat
Start	5445	End	5869
GI	none	Score	446
Exons	5445..5864, 5489..5869, 5510..5869		

Seq. No.	33455	Seq. ID	OJ000251_41.0216.C7
Gene No.	69363	Strand	-
Start	8344	End	12876
Name	OJ000251_41.0216.C7.o1.ts	Method	TBLASTX:Soybean
Start	5523	End	5924
GI	none	Score	313
Exons	5523..5924, 5540..5683, 5720..5890		

Seq. No.	33455	Seq. ID	OJ000251_41.0216.C7
Gene No.	69363	Strand	-
Start	8344	End	12876
Name	OJ000251_41.0216.C7.o3.tm	Method	TBLASTX:Maize
Start	5591	End	6035
GI	none	Score	276
Exons	5591..5845, 5592..5846, 5867..5998, 5868..6011, 6009..6035		

Seq. No.	33455	Seq. ID	OJ000251_41.0216.C7
Gene No.	69363	Strand	-
Start	8344	End	12876
Name	OJ000251_41.0216.C7.o8.tw	Method	TBLASTX:Wheat
Start	5873	End	6155
GI	none	Score	276
Exons	5873..5950, 5874..6155, 6009..6143		

Seq. No.	33455	Seq. ID	OJ000251_41.0216.C7

Gene No.	69363	Strand	-
Start	8344	End	12876
Name	OJ000251_41.0216.C7.o2.ts	Method	TBLASTX:Soybean
Start	6150	End	6538
GI	none	Score	261
Exons	6150..6536, 6158..6538		

Seq. No.	33455	Seq. ID	OJ000251_41.0216.C7
Gene No.	69363	Strand	-
Start	8344	End	12876
Name	OJ000251_41.0216.C7.o4.tw	Method	TBLASTX:Wheat
Start	6159	End	6581
GI	none	Score	413
Exons	6159..6581, 6167..6571		

Seq. No.	33455	Seq. ID	OJ000251_41.0216.C7
Gene No.	69363	Strand	-
Start	8344	End	12876
Name	OJ000251_41.0216.C7.o5.tm	Method	TBLASTX:Maize
Start	6411	End	6665
GI	none	Score	193
Exons	6411..6665, 6419..6526		

Seq. No.	33455	Seq. ID	OJ000251_41.0216.C7
Gene No.	69363	Strand	-
Start	8344	End	12876
Name	OJ000251_41.0216.C7.o10.tw	Method	TBLASTX:Wheat
Start	6597	End	6896
GI	none	Score	129
Exons	6597..6731, 6756..6896		

Seq. No.	33455	Seq. ID	OJ000251_41.0216.C7
Gene No.	69363	Strand	-
Start	8344	End	12876
Name	OJ000251_41.0216.C7.o1.tm	Method	TBLASTX:Maize
Start	6893	End	7256
GI	none	Score	446
Exons	6893..7204, 6894..7217, 6914..7237, 7208..7255, 7209..7256		

Seq. No.	33455	Seq. ID	OJ000251_41.0216.C7
Gene No.	69363	Strand	-
Start	8344	End	12876
Name	OJ000251_41.0216.C7.o3.tw	Method	TBLASTX:Wheat
Start	6899	End	7286
GI	none	Score	420
Exons	6899..7210, 6900..7286, 7095..7286		

Seq. No.	33455	Seq. ID	OJ000251_41.0216.C7
Gene No.	69363	Strand	-
Start	8344	End	12876
Name	OJ000251_41.0216.C7.o6.tm	Method	TBLASTX:Maize
Start	7358	End	7631
GI	none	Score	95
Exons	7358..7465, 7359..7457, 7448..7522, 7452..7535, 7545..7631		

Seq. No.	33455	Seq. ID	OJ000251_41.0216.C7
Gene No.	69363	Strand	-

Start	8344	End	12876
Name	OJ000251_41.0216.C7.o5.tw	Method	TBLASTX:Wheat
Start	7401	End	8015
GI	none	Score	273
Exons	7401..7679, 7421..7510, 7562..7663, 7734..7892, 7878..8015		

Seq. No.	33455	Seq. ID	OJ000251_41.0216.C7
Gene No.	69363	Strand	-
Start	8344	End	12876
Name	OJ000251_41.0216.C7.o4.tm	Method	TBLASTX:Maize
Start	7743	End	7976
GI	none	Score	149
Exons	7743..7895, 7835..7894, 7874..7975, 7875..7976		

Seq. No.	33455	Seq. ID	OJ000251_41.0216.C7
Gene No.	69363	Strand	-
Start	8344	End	12876
Name	OJ000251_41.0216.C7.o3.gs	Method	GENSCAN
Start	8344	End	12876
GI	none	Score	.85
Exons	8344..8792, 8865..8969, 9042..9161, 9294..9494, 9569..9997, 10031..10202, 10421..11344, 12826..12876		

Seq. No.	33455	Seq. ID	OJ000251_41.0216.C7
Gene No.	69363	Strand	-
Start	8344	End	12876
Name	OJ000251_41.0216.C7.o2.np	Method	AAT/NAP
Start	8347	End	11305
GI	6691716	Score	2377
Exons	8347..8792, 8865..8977, 9128..9231, 9307..9494, 9569..9731, 9843..9963, 10045..10237, 10435..11305		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	33455	Seq. ID	OJ000251_41.0216.C7
Gene No.	69363	Strand	-
Start	8344	End	12876
Name	OJ000251_41.0216.C7.o9.tw	Method	TBLASTX:Wheat
Start	10895	End	11185
GI	none	Score	217
Exons	10895..11185		

Seq. No.	33456	Seq. ID	OJ000251_41.0216.C9
Gene No.	69364	Strand	+
Start	87	End	148
Name	OJ000251_41.0216.C9.o1.np	Method	AAT/NAP
Start	87	End	148
GI	2498930	Score	55
Exons	87..148		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	33456	Seq. ID	OJ000251_41.0216.C9
Gene No.	69365	Strand	+
Start	89	End	148
Name	OJ000251_41.0216.C9.o1.gs	Method	GENSCAN

Start	89	End	148
GI	none	Score	.98
Exons	89..148		

Seq. No.	33457	Seq. ID	OJ000251_41.0216.C10
Gene No.	69366	Strand	+
Start	1	End	772
Name	OJ000251_41.0216.C10.o1.np	Method	AAT/NAP
Start	1	End	772
GI	2443320	Score	1147
Exons	1..772		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	33457	Seq. ID	OJ000251_41.0216.C10
Gene No.	69366	Strand	+
Start	1	End	772
Name	OJ000251_41.0216.C10.o2.tw	Method	TBLASTX:Wheat
Start	4	End	243
GI	none	Score	197
Exons	4..243, 6..233		

Seq. No.	33457	Seq. ID	OJ000251_41.0216.C10
Gene No.	69366	Strand	+
Start	1	End	772
Name	OJ000251_41.0216.C10.o1.tm	Method	TBLASTX:Maize
Start	133	End	721
GI	none	Score	182
Exons	133..489, 545..721		

Seq. No.	33457	Seq. ID	OJ000251_41.0216.C10
Gene No.	69366	Strand	+
Start	1	End	772
Name	OJ000251_41.0216.C10.o1.ts	Method	TBLASTX:Soybean
Start	142	End	637
GI	none	Score	202
Exons	142..489, 542..637		

Seq. No.	33457	Seq. ID	OJ000251_41.0216.C10
Gene No.	69366	Strand	+
Start	1	End	772
Name	OJ000251_41.0216.C10.o1.tw	Method	TBLASTX:Wheat
Start	244	End	733
GI	none	Score	279
Exons	244..498, 245..466, 249..485, 541..732, 542..733		

Seq. No.	33458	Seq. ID	OJ000251_41.0216.C11
Gene No.	69367	Strand	+
Start	1800	End	2089
Name	OJ000251_41.0216.C11.o2.gp	Method	AAT/GAP
Start	1800	End	2089
GI	5816518	Score	155
Exons	1800..1905, 2064..2089		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	33458	Seq. ID	OJ000251_41.0216.C11
Gene No.	69368	Strand	-

Start	1544	End	1791
Name	OJ000251_41.0216.C11.o1.gp	Method	AAT/GAP
Start	1544	End	1791
GI	3761181	Score	438
Exons	1544..1791		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	33459	Seq. ID	OJ000251_41.0216.C12
Gene No.	69369	Strand	-
Start	1	End	7125
Name	OJ000251_41.0216.C12.o1.np	Method	AAT/NAP
Start	1	End	5161
GI	5091513	Score	1371
Exons	1..33, 881..1052, 1100..1165, 1589..2172, 2407..3099, 5095..5161		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	33459	Seq. ID	OJ000251_41.0216.C12
Gene No.	69369	Strand	-
Start	1	End	7125
Name	OJ000251_41.0216.C12.o1.gs	Method	GENSCAN
Start	1724	End	7012
GI	none	Score	49
Exons	1724..2165, 2292..3169, 3640..4002, 4383..4649, 5186..5257, 6090..6230, 6336..6631, 6721..7012		

Seq. No.	33459	Seq. ID	OJ000251_41.0216.C12
Gene No.	69369	Strand	-
Start	1	End	7125
Name	OJ000251_41.0216.C12.o1.gp	Method	AAT/GAP
Start	4033	End	4282
GI	3761181	Score	424
Exons	4033..4282		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	33459	Seq. ID	OJ000251_41.0216.C12
Gene No.	69369	Strand	-
Start	1	End	7125
Name	OJ000251_41.0216.C12.o3.gp	Method	AAT/GAP
Start	5517	End	7125
GI	144_2.R1084	Score	2476
Exons	5517..6006, 6090..6230, 6336..6631, 6721..7125		
GI Descrip.	'1657950 1.0e-118 (U73467) MipE [Mesembryanthemum crystallinum]'		

Seq. No.	33459	Seq. ID	OJ000251_41.0216.C12
Gene No.	69369	Strand	-
Start	1	End	7125
Name	OJ000251_41.0216.C12.o2.np	Method	AAT/NAP
Start	5890	End	7012
GI	2924520	Score	1098
Exons	5890..6006, 6090..6230, 6336..6631, 6721..7012		
GI Descrip.	(AL022023) plasma membrane intrinsic protein (SIMIP) [Arabidopsis thaliana]		

Seq. No.	33459	Seq. ID	OJ000251_41.0216.C12
Gene No.	69370	Strand	-

Start	8230	End	12078
Name	OJ000251_41.0216.C12.o1.tc	Method	TBLASTX:Cress
Start	5890	End	7025
GI	none	Score	62
Exons	5890..6009, 5891..6007, 6079..6231, 6093..6221, 6331..6441, 6333..6635, 6538..6633, 6719..6805, 6720..6800, 6818..7024, 6822..6929, 6990..7025		

Seq. No.	33459	Seq. ID	OJ000251_41.0216.C12
Gene No.	69370	Strand	-
Start	8230	End	12078
Name	OJ000251_41.0216.C12.o1.tm	Method	TBLASTX:Maize
Start	5899	End	6970
GI	none	Score	78
Exons	5899..5958, 5899..6006, 6079..6237, 6090..6221, 6331..6444, 6333..6635, 6537..6626, 6538..6633, 6719..6805, 6720..6806, 6765..6926, 6782..6970, 6818..6940		

Seq. No.	33459	Seq. ID	OJ000251_41.0216.C12
Gene No.	69370	Strand	-
Start	8230	End	12078
Name	OJ000251_41.0216.C12.o1.ts	Method	TBLASTX:Soybean
Start	5899	End	7015
GI	none	Score	64
Exons	5899..5958, 5899..6009, 6093..6221, 6094..6261, 6333..6635, 6334..6441, 6541..6633, 6719..6805, 6720..6800, 6818..7015, 6822..6926		

Seq. No.	33459	Seq. ID	OJ000251_41.0216.C12
Gene No.	69370	Strand	-
Start	8230	End	12078
Name	OJ000251_41.0216.C12.o1.tw	Method	TBLASTX:Wheat
Start	5899	End	6970
GI	none	Score	77
Exons	5899..5958, 5899..5994, 5986..6009, 5987..6007, 6093..6221, 6094..6237, 6333..6635, 6334..6444, 6537..6626, 6538..6633, 6719..6826, 6720..6800, 6818..6970, 6819..6926, 6821..6934		

Seq. No.	33459	Seq. ID	OJ000251_41.0216.C12
Gene No.	69370	Strand	-
Start	8230	End	12078
Name	OJ000251_41.0216.C12.o3.np	Method	AAT/NAP
Start	8230	End	12078
GI	6815052	Score	1630
Exons	8230..8349, 8631..8705, 8787..9520, 9569..9713, 10491..10583, 11451..11550, 11848..12078		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	33459	Seq. ID	OJ000251_41.0216.C12
Gene No.	69370	Strand	-
Start	8230	End	12078
Name	OJ000251_41.0216.C12.o2.tw	Method	TBLASTX:Wheat
Start	9620	End	10268
GI	none	Score	90
Exons	9620..9688, 9774..10064, 10085..10237, 10089..10268		

Seq. No.	33459	Seq. ID	OJ000251_41.0216.C12

Gene No.	69370	Strand	-
Start	8230	End	12078
Name	OJ000251_41.0216.C12.o2.ts	Method	TBLASTX:Soybean
Start	9876	End	10250
GI	none	Score	107
Exons	9876..10070, 10065..10250		

Seq. No.	33460	Seq. ID	OJ000251_41.0216.C13
Gene No.	69371	Strand	+
Start	1306	End	3505
Name	OJ000251_41.0216.C13.o1.gs	Method	GENSCAN
Start	1306	End	3505
GI	none	Score	.88
Exons	1306..1343, 2581..2860, 3056..3125, 3420..3505		

Seq. No.	33460	Seq. ID	OJ000251_41.0216.C13
Gene No.	69372	Strand	+
Start	3933	End	4314
Name	OJ000251_41.0216.C13.o1.gp	Method	AAT/GAP
Start	3933	End	4314
GI	uC-osf1cyp033a04b1	Score	683
Exons	3933..4314		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	33460	Seq. ID	OJ000251_41.0216.C13
Gene No.	69373	Strand	+
Start	9652	End	13568
Name	OJ000251_41.0216.C13.o1.np	Method	AAT/NAP
Start	9652	End	10893
GI	5042447	Score	774
Exons	9652..10740, 10774..10893		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	33460	Seq. ID	OJ000251_41.0216.C13
Gene No.	69373	Strand	+
Start	9652	End	13568
Name	OJ000251_41.0216.C13.o3.gs	Method	GENSCAN
Start	10225	End	13568
GI	none	Score	.64
Exons	10225..10855, 11344..11378, 11643..11882, 12906..13059, 13474..13568		

Seq. No.	33460	Seq. ID	OJ000251_41.0216.C13
Gene No.	69374	Strand	-
Start	11577	End	12498
Name	OJ000251_41.0216.C13.o2.np	Method	AAT/NAP
Start	11577	End	12498
GI	4680185	Score	422
Exons	11577..11955, 12438..12498		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	33460	Seq. ID	OJ000251_41.0216.C13
Gene No.	69375	Strand	-
Start	12659	End	13039
Name	OJ000251_41.0216.C13.o2.tw	Method	TBLASTX:Wheat
Start	9844	End	10103

GI	none	Score	200
Exons	9844..9891, 9904..10101, 9906..10103		

Seq. No.	33460	Seq. ID	OJ000251_41.0216.C13
Gene No.	69375	Strand	-
Start	12659	End	13039
Name	OJ000251_41.0216.C13.o1.tm	Method	TBLASTX:Maize
Start	10138	End	10443
GI	none	Score	230
Exons	10138..10443, 10152..10268		

Seq. No.	33460	Seq. ID	OJ000251_41.0216.C13
Gene No.	69375	Strand	-
Start	12659	End	13039
Name	OJ000251_41.0216.C13.o1.tw	Method	TBLASTX:Wheat
Start	10138	End	10488
GI	none	Score	275
Exons	10138..10488		

Seq. No.	33460	Seq. ID	OJ000251_41.0216.C13
Gene No.	69375	Strand	-
Start	12659	End	13039
Name	OJ000251_41.0216.C13.o3.gp	Method	AAT/GAP
Start	12659	End	13039
GI	uC-osflcyp033a04b1	Score	662
Exons	12659..13039		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	33461	Seq. ID	OJ000251_41.0216.C14
Gene No.	69376	Strand	+
Start	1523	End	1903
Name	OJ000251_41.0216.C14.o2.gp	Method	AAT/GAP
Start	1523	End	1903
GI	uC-osflcyp033a04b1	Score	670
Exons	1523..1903		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	33461	Seq. ID	OJ000251_41.0216.C14
Gene No.	69377	Strand	-
Start	163	End	2177
Name	OJ000251_41.0216.C14.o1.np	Method	AAT/NAP
Start	163	End	2177
GI	5852180	Score	512
Exons	163..597, 649..767, 1753..1809, 2038..2177		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	33461	Seq. ID	OJ000251_41.0216.C14
Gene No.	69377	Strand	-
Start	163	End	2177
Name	OJ000251_41.0216.C14.o2.gs	Method	GENSCAN
Start	1453	End	1805
GI	none	Score	.64
Exons	1453..1565, 1753..1805		

Seq. No.	33462	Seq. ID	OJ000251_41.0216.C15

Gene No.	69378	Strand	-
Start	1	End	489
Name	OJ000251_41.0216.C15.o1.np	Method	AAT/NAP
Start	1	End	489
GI	4680179	Score	205
Exons	1..151, 185..321, 356..489		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33462	Seq. ID	OJ000251_41.0216.C15
Gene No.	69378	Strand	-
Start	1	End	489
Name	OJ000251_41.0216.C15.o1.tw	Method	TBLASTX:Wheat
Start	2	End	253
GI	none	Score	66
Exons	2..133, 3..131, 152..253, 189..233		

Seq. No.	33463	Seq. ID	OJ000251_41.0216.C16
Gene No.	69379	Strand	+
Start	1	End	788
Name	OJ000251_41.0216.C16.o1.np	Method	AAT/NAP
Start	1	End	418
GI	6815099	Score	69
Exons	1..23, 292..418		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	33463	Seq. ID	OJ000251_41.0216.C16
Gene No.	69379	Strand	+
Start	1	End	788
Name	OJ000251_41.0216.C16.o1.tw	Method	TBLASTX:Wheat
Start	32	End	291
GI	none	Score	201
Exons	32..286, 160..291		

Seq. No.	33463	Seq. ID	OJ000251_41.0216.C16
Gene No.	69379	Strand	+
Start	1	End	788
Name	OJ000251_41.0216.C16.o1.gs	Method	GENSCAN
Start	80	End	788
GI	none	Score	.52
Exons	80..307, 693..788		

Seq. No.	33464	Seq. ID	OJ000251_41.0216.C19
Gene No.	69380	Strand	-
Start	737	End	1450
Name	OJ000251_41.0216.C19.o1.gs	Method	GENSCAN
Start	737	End	1450
GI	none	Score	.78
Exons	737..1450		

Seq. No.	33465	Seq. ID	OJ000251_41.0216.C20
Gene No.	69381	Strand	-
Start	26	End	12607
Name	OJ000251_41.0216.C20.o1.gs	Method	GENSCAN
Start	26	End	12206
GI	none	Score	.51
Exons	26..64, 1708..1816, 3090..3276, 3354..3361, 3410..3631, 3637..4460, 4500..5452, 5618..5862, 6156..6253, 6494..7253,		

7383..7513, 8245..8501, 8599..8720, 8771..9022, 9078..9187, 9563..9731, 10023..10067, 10393..10443, 11475..11740, 11825..12206

Seq. No.	33465	Seq. ID	OJ000251_41.0216.C20
Gene No.	69381	Strand	-
Start	26	End	12607
Name	OJ000251_41.0216.C20.o1.np	Method	AAT/NAP
Start	3452	End	6586
GI	4325357	Score	447
Exons	3452..3589, 3766..4259, 5064..5630, 6451..6586		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	33465	Seq. ID	OJ000251_41.0216.C20
Gene No.	69381	Strand	-
Start	26	End	12607
Name	OJ000251_41.0216.C20.o6.tw	Method	TBLASTX:Wheat
Start	3952	End	4323
GI	none	Score	68
Exons	3952..4137, 3953..4066, 4180..4323		

Seq. No.	33465	Seq. ID	OJ000251_41.0216.C20
Gene No.	69381	Strand	-
Start	26	End	12607
Name	OJ000251_41.0216.C20.o2.tc	Method	TBLASTX:Cress
Start	5095	End	5403
GI	none	Score	192
Exons	5095..5403		

Seq. No.	33465	Seq. ID	OJ000251_41.0216.C20
Gene No.	69381	Strand	-
Start	26	End	12607
Name	OJ000251_41.0216.C20.o7.tw	Method	TBLASTX:Wheat
Start	5122	End	12461
GI	none	Score	112
Exons	5122..5229, 5197..5418, 5434..5550, 12252..12461		

Seq. No.	33465	Seq. ID	OJ000251_41.0216.C20
Gene No.	69381	Strand	-
Start	26	End	12607
Name	OJ000251_41.0216.C20.o2.np	Method	AAT/NAP
Start	6192	End	12607
GI	6691191	Score	1805
Exons	6192..6279, 6488..8642, 8922..9022, 9346..9909, 12490..12607		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	33465	Seq. ID	OJ000251_41.0216.C20
Gene No.	69381	Strand	-
Start	26	End	12607
Name	OJ000251_41.0216.C20.o1.ts	Method	TBLASTX:Soybean
Start	6489	End	6977
GI	none	Score	45
Exons	6489..6578, 6587..6976, 6588..6977, 6647..6697, 6721..6975		

Seq. No.	33465	Seq. ID	OJ000251_41.0216.C20

Gene No.	69381	Strand	-
Start	26	End	12607
Name	OJ000251_41.0216.C20.o2.tw	Method	TBLASTX:Wheat
Start	6585	End	6966
GI	none	Score	118
Exons	6585..6965, 6586..6909, 6943..6966		

Seq. No.	33465	Seq. ID	OJ000251_41.0216.C20
Gene No.	69381	Strand	-
Start	26	End	12607
Name	OJ000251_41.0216.C20.o4.tw	Method	TBLASTX:Wheat
Start	6969	End	7301
GI	none	Score	90
Exons	6969..7301, 6970..7155, 7202..7297		

Seq. No.	33465	Seq. ID	OJ000251_41.0216.C20
Gene No.	69381	Strand	-
Start	26	End	12607
Name	OJ000251_41.0216.C20.o2.ts	Method	TBLASTX:Soybean
Start	6978	End	7302
GI	none	Score	93
Exons	6978..7238, 6979..7236, 7260..7301, 7261..7302		

Seq. No.	33465	Seq. ID	OJ000251_41.0216.C20
Gene No.	69381	Strand	-
Start	26	End	12607
Name	OJ000251_41.0216.C20.o1.tc	Method	TBLASTX:Cress
Start	7323	End	7706
GI	none	Score	60
Exons	7323..7625, 7647..7706		

Seq. No.	33465	Seq. ID	OJ000251_41.0216.C20
Gene No.	69381	Strand	-
Start	26	End	12607
Name	OJ000251_41.0216.C20.o5.tw	Method	TBLASTX:Wheat
Start	7419	End	7892
GI	none	Score	58
Exons	7419..7622, 7602..7697, 7791..7889, 7815..7892		

Seq. No.	33465	Seq. ID	OJ000251_41.0216.C20
Gene No.	69381	Strand	-
Start	26	End	12607
Name	OJ000251_41.0216.C20.o1.tw	Method	TBLASTX:Wheat
Start	7905	End	8213
GI	none	Score	144
Exons	7905..8213, 8020..8211		

Seq. No.	33465	Seq. ID	OJ000251_41.0216.C20
Gene No.	69381	Strand	-
Start	26	End	12607
Name	OJ000251_41.0216.C20.o4.ts	Method	TBLASTX:Soybean
Start	7983	End	8216
GI	none	Score	97
Exons	7983..8216, 8008..8205		

Seq. No.	33465	Seq. ID	OJ000251_41.0216.C20
Gene No.	69381	Strand	-

Start	26	End	12607
Name	OJ000251_41.0216.C20.o3.tw	Method	TBLASTX:Wheat
Start	9367	End	9749
GI	none	Score	137
Exons	9367..9420, 9417..9749, 9421..9651		

Seq. No.	33465	Seq. ID	OJ000251_41.0216.C20
Gene No.	69381	Strand	-
Start	26	End	12607
Name	OJ000251_41.0216.C20.o3.ts	Method	TBLASTX:Soybean
Start	9373	End	9749
GI	none	Score	86
Exons	9373..9420, 9396..9749, 9417..9659, 9433..9747		

Seq. No.	33466	Seq. ID	OJ000251_41.0216.C21
Gene No.	69382	Strand	+
Start	1	End	1987
Name	OJ000251_41.0216.C21.o1.np	Method	AAT/NAP
Start	1	End	1165
GI	6705984	Score	1848
Exons	1..1165		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	33466	Seq. ID	OJ000251_41.0216.C21
Gene No.	69382	Strand	+
Start	1	End	1987
Name	OJ000251_41.0216.C21.o1.gs	Method	GENSCAN
Start	83	End	1987
GI	none	Score	.58
Exons	83..1264, 1336..1453, 1833..1987		

Seq. No.	33466	Seq. ID	OJ000251_41.0216.C21
Gene No.	69383	Strand	-
Start	2292	End	2460
Name	OJ000251_41.0216.C21.o1.tc	Method	TBLASTX:Cress
Start	11	End	376
GI	none	Score	448
Exons	11..376, 83..373, 151..375		

Seq. No.	33466	Seq. ID	OJ000251_41.0216.C21
Gene No.	69383	Strand	-
Start	2292	End	2460
Name	OJ000251_41.0216.C21.o1.tm	Method	TBLASTX:Maize
Start	95	End	443
GI	none	Score	521
Exons	95..439, 98..436, 105..443, 105..437, 127..438		

Seq. No.	33466	Seq. ID	OJ000251_41.0216.C21
Gene No.	69383	Strand	-
Start	2292	End	2460
Name	OJ000251_41.0216.C21.o2.tw	Method	TBLASTX:Wheat
Start	188	End	547
GI	none	Score	417
Exons	188..547, 193..537		

Seq. No.	33466	Seq. ID	OJ000251_41.0216.C21
Gene No.	69383	Strand	-

Start	2292	End	2460
Name	OJ000251_41.0216.C21.o1.ts	Method	TBLASTX:Soybean
Start	242	End	511
GI	none	Score	83
Exons	242..316, 329..511		

Seq. No.	33466	Seq. ID	OJ000251_41.0216.C21
Gene No.	69383	Strand	-
Start	2292	End	2460
Name	OJ000251_41.0216.C21.o4.tm	Method	TBLASTX:Maize
Start	446	End	739
GI	none	Score	217
Exons	446..739		

Seq. No.	33466	Seq. ID	OJ000251_41.0216.C21
Gene No.	69383	Strand	-
Start	2292	End	2460
Name	OJ000251_41.0216.C21.o1.tw	Method	TBLASTX:Wheat
Start	578	End	976
GI	none	Score	554
Exons	578..976, 580..963		

Seq. No.	33466	Seq. ID	OJ000251_41.0216.C21
Gene No.	69383	Strand	-
Start	2292	End	2460
Name	OJ000251_41.0216.C21.o2.tm	Method	TBLASTX:Maize
Start	743	End	1017
GI	none	Score	343
Exons	743..1015, 745..1017		

Seq. No.	33466	Seq. ID	OJ000251_41.0216.C21
Gene No.	69383	Strand	-
Start	2292	End	2460
Name	OJ000251_41.0216.C21.o3.tm	Method	TBLASTX:Maize
Start	1019	End	1258
GI	none	Score	227
Exons	1019..1207, 1021..1137, 1023..1181, 1055..1195, 1220..1258		

Seq. No.	33466	Seq. ID	OJ000251_41.0216.C21
Gene No.	69383	Strand	-
Start	2292	End	2460
Name	OJ000251_41.0216.C21.o2.gs	Method	GENSCAN
Start	2292	End	2460
GI	none	Score	.8
Exons	2292..2460		

Seq. No.	33467	Seq. ID	OJ000251_41.0216.C22
Gene No.	69384	Strand	+
Start	1	End	4319
Name	OJ000251_41.0216.C22.o1.np	Method	AAT/NAP
Start	1	End	4319
GI	4680179	Score	161
Exons	1..467, 4141..4319		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33467	Seq. ID	OJ000251_41.0216.C22
Gene No.	69384	Strand	+

Start	1	End	4319
Name	OJ000251_41.0216.C22.o2.gp	Method	AAT/GAP
Start	2379	End	2808
GI	2428185	Score	813
Exons	2379..2808		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	33467	Seq. ID	OJ000251_41.0216.C22
Gene No.	69384	Strand	+
Start	1	End	4319
Name	OJ000251_41.0216.C22.o3.np	Method	AAT/NAP
Start	4131	End	4319
GI	4680179	Score	155
Exons	4131..4319		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33467	Seq. ID	OJ000251_41.0216.C22
Gene No.	69385	Strand	-
Start	1615	End	3052
Name	OJ000251_41.0216.C22.o2.np	Method	AAT/NAP
Start	1615	End	3052
GI	5852180	Score	334
Exons	1615..1969, 2978..3052		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	33467	Seq. ID	OJ000251_41.0216.C22
Gene No.	69386	Strand	-
Start	3339	End	3594
Name	OJ000251_41.0216.C22.o3.gp	Method	AAT/GAP
Start	3339	End	3594
GI	61605_3.R1084	Score	441
Exons	3339..3594		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	33468	Seq. ID	OJ000251_41.0216.C23
Gene No.	69387	Strand	+
Start	1	End	11044
Name	OJ000251_41.0216.C23.o1.np	Method	AAT/NAP
Start	1	End	5450
GI	6705984	Score	274
Exons	1..29, 1079..1381, 5346..5450		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	33468	Seq. ID	OJ000251_41.0216.C23
Gene No.	69387	Strand	+
Start	1	End	11044
Name	OJ000251_41.0216.C23.o1.gp	Method	AAT/GAP
Start	112	End	423
GI	61605_3.R1084	Score	440
Exons	112..423		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	33468	Seq. ID	OJ000251_41.0216.C23
Gene No.	69387	Strand	+

Start	1	End	11044
Name	OJ000251_41.0216.C23.o1.gs	Method	GENSCAN
Start	1124	End	11044
GI	none	Score	.47
Exons	1124..1508, 2287..2448, 2749..2801, 4590..4701, 5346..5472, 5808..5944, 9041..9156, 9551..9661, 9736..9834, 10913..11044		

Seq. No.	33468	Seq. ID	OJ000251_41.0216.C23
Gene No.	69387	Strand	+
Start	1	End	11044
Name	OJ000251_41.0216.C23.o2.gp	Method	AAT/GAP
Start	8910	End	9118
GI	LIB3433-058-P1-K1-G6	Score	290
Exons	8910..9118		
GI Descrip.	'3426039 4.0e-35 (AC005168) unknown protein [Arabidopsis thaliana]'		

Seq. No.	33468	Seq. ID	OJ000251_41.0216.C23
Gene No.	69388	Strand	-
Start	12496	End	15657
Name	OJ000251_41.0216.C23.o2.tw	Method	TBLASTX:Wheat
Start	1085	End	1315
GI	none	Score	264
Exons	1085..1315, 1105..1296		

Seq. No.	33468	Seq. ID	OJ000251_41.0216.C23
Gene No.	69388	Strand	-
Start	12496	End	15657
Name	OJ000251_41.0216.C23.o2.ts	Method	TBLASTX:Soybean
Start	8967	End	9186
GI	none	Score	114
Exons	8967..9086, 8974..9186, 8978..9172, 8979..9185		

Seq. No.	33468	Seq. ID	OJ000251_41.0216.C23
Gene No.	69388	Strand	-
Start	12496	End	15657
Name	OJ000251_41.0216.C23.o2.tc	Method	TBLASTX:Cress
Start	8970	End	9198
GI	none	Score	86
Exons	8970..9185, 8974..9198, 8974..9189, 8979..9194		

Seq. No.	33468	Seq. ID	OJ000251_41.0216.C23
Gene No.	69388	Strand	-
Start	12496	End	15657
Name	OJ000251_41.0216.C23.o2.tm	Method	TBLASTX:Maize
Start	8973	End	9231
GI	none	Score	207
Exons	8973..9185, 8974..9231, 8976..9230		

Seq. No.	33468	Seq. ID	OJ000251_41.0216.C23
Gene No.	69388	Strand	-
Start	12496	End	15657
Name	OJ000251_41.0216.C23.o3.gp	Method	AAT/GAP
Start	11932	End	14910
GI	1176_1.R1084	Score	3009
Exons	11932..11971, 12212..12777, 13046..13117, 13207..13307, 13394..13615, 13917..13998, 14114..14299, 14396..14530,		

	14628..14910		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		
Seq. No.	33468	Seq. ID	OJ000251_41.0216.C23
Gene No.	69388	Strand	-
Start	12496	End	15657
Name	OJ000251_41.0216.C23.o2.gs	Method	GENSCAN
Start	12496	End	15657
GI	none	Score	.71
Exons	12496..12831, 13046..13117, 13207..13307, 13394..13615, 13917..13998, 14114..14299, 14396..14530, 14628..14737, 14857..14964, 15493..15657		
Seq. No.	33468	Seq. ID	OJ000251_41.0216.C23
Gene No.	69388	Strand	-
Start	12496	End	15657
Name	OJ000251_41.0216.C23.o2.np	Method	AAT/NAP
Start	12499	End	14726
GI	1173347	Score	1693
Exons	12499..12777, 13046..13117, 13207..13307, 13394..13615, 13917..13998, 14114..14299, 14396..14530, 14628..14726		
GI Descrip.	SEDOHEPTULOSE-1,7-BISPHOSPHATASE, CHLOROPLAST PRECURSOR (SEDOHEPTULOSE-BISPHOSPHATASE) (SBPASE) (SED(1,7)P2ASE) gi|100803|pir||S23452 sedoheptulose-bisphosphatase (EC 3.1.3.37) precursor - wheat gi|14265|emb|CAA46507| (X65540) sedoheptulose-1,7-bisphosphatase [Triticum aestivum]		
Seq. No.	33468	Seq. ID	OJ000251_41.0216.C23
Gene No.	69388	Strand	-
Start	12496	End	15657
Name	OJ000251_41.0216.C23.o1.tc	Method	TBLASTX:Cress
Start	12529	End	14434
GI	none	Score	230
Exons	12529..12780, 12530..12799, 13015..13086, 13040..13123, 13047..13118, 13199..13312, 13204..13308, 13250..13309, 13392..13616, 13393..13620, 13393..13617, 13395..13631, 13915..13998, 13916..13999, 13922..13999, 13932..14000, 14105..14299, 14163..14300, 14396..14434		
Seq. No.	33468	Seq. ID	OJ000251_41.0216.C23
Gene No.	69388	Strand	-
Start	12496	End	15657
Name	OJ000251_41.0216.C23.o1.tm	Method	TBLASTX:Maize
Start	12529	End	14216
GI	none	Score	346
Exons	12529..12780, 12529..12780, 12530..12799, 13040..13120, 13047..13118, 13048..13119, 13204..13308, 13205..13312, 13208..13309, 13392..13616, 13392..13616, 13393..13620, 13408..13617, 13915..13998, 13916..13999, 14108..14215, 14114..14215, 14163..14216		
Seq. No.	33468	Seq. ID	OJ000251_41.0216.C23
Gene No.	69388	Strand	-
Start	12496	End	15657
Name	OJ000251_41.0216.C23.o1.tw	Method	TBLASTX:Wheat
Start	12529	End	13091

GI	none	Score	250
Exons	12529..12780, 12530..12778, 12544..12798, 13040..13090, 13047..13091		

Seq. No.	33468	Seq. ID	OJ000251_41.0216.C23
Gene No.	69388	Strand	-
Start	12496	End	15657
Name	OJ000251_41.0216.C23.o1.ts	Method	TBLASTX:Soybean
Start	12529	End	14515
GI	none	Score	244
Exons	12529..12780, 12530..12799, 13010..13120, 13040..13123, 13199..13312, 13204..13308, 13392..13616, 13393..13620, 13475..13651, 13475..13627, 13915..13998, 13916..13987, 14108..14299, 14163..14300, 14379..14429, 14396..14431, 14468..14515		

Seq. No.	33468	Seq. ID	OJ000251_41.0216.C23
Gene No.	69388	Strand	-
Start	12496	End	15657
Name	OJ000251_41.0216.C23.o3.tm	Method	TBLASTX:Maize
Start	14216	End	14687
GI	none	Score	124
Exons	14216..14299, 14219..14305, 14242..14316, 14250..14300, 14385..14531, 14396..14533, 14620..14682, 14628..14687, 14629..14679		

Seq. No.	33468	Seq. ID	OJ000251_41.0216.C23
Gene No.	69389	Strand	
Start	16803	End	17083
Name	OJ000251_41.0216.C23.o3.tw	Method	TBLASTX:Wheat
Start	16803	End	17083
GI	none	Score	234
Exons	16803..17078, 16817..16933, 16952..17083		

Seq. No.	33469	Seq. ID	OJ000251_41.0216.C24
Gene No.	69390	Strand	+
Start	661	End	1947
Name	OJ000251_41.0216.C24.o1.gs	Method	GENSCAN
Start	661	End	1947
GI	none	Score	.86
Exons	661..842, 1815..1947		

Seq. No.	33469	Seq. ID	OJ000251_41.0216.C24
Gene No.	69391	Strand	-
Start	612	End	3565
Name	OJ000251_41.0216.C24.o1.np	Method	AAT/NAP
Start	612	End	3565
GI	5852181	Score	98
Exons	612..851, 1546..1732, 3458..3565		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	33469	Seq. ID	OJ000251_41.0216.C24
Gene No.	69391	Strand	-
Start	612	End	3565
Name	OJ000251_41.0216.C24.o2.gs	Method	GENSCAN
Start	2321	End	2996
GI	none	Score	.6

Exons	2321..2524, 2889..2996		
Seq. No.	33470	Seq. ID	OJ000251_41.0216.C27
Gene No.	69392	Strand	+
Start	1	End	710
Name	OJ000251_41.0216.C27.o1.np	Method	AAT/NAP
Start	1	End	710
GI	4680179	Score	471
Exons	1..710		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	33470	Seq. ID	OJ000251_41.0216.C27
Gene No.	69393	Strand	-
Start	92	End	410
Name	OJ000251_41.0216.C27.o1.tw	Method	TBLASTX:Wheat
Start	36	End	410
GI	none	Score	434
Exons	36..410, 47..409		
Seq. No.	33470	Seq. ID	OJ000251_41.0216.C27
Gene No.	69393	Strand	-
Start	92	End	410
Name	OJ000251_41.0216.C27.o1.gs	Method	GENSCAN
Start	92	End	203
GI	none	Score	.91
Exons	92..203		
Seq. No.	33470	Seq. ID	OJ000251_41.0216.C27
Gene No.	69393	Strand	-
Start	92	End	410
Name	OJ000251_41.0216.C27.o1.tm	Method	TBLASTX:Maize
Start	189	End	410
GI	none	Score	184
Exons	189..410, 264..353		
Seq. No.	33471	Seq. ID	OJ000251_41.0216.C28
Gene No.	69394	Strand	-
Start	93	End	823
Name	OJ000251_41.0216.C28.o1.gs	Method	GENSCAN
Start	93	End	823
GI	none	Score	.92
Exons	93..192, 744..823		
Seq. No.	33472	Seq. ID	OJ000251_41.0216.C29
Gene No.	69395	Strand	-
Start	1	End	459
Name	OJ000251_41.0216.C29.o1.np	Method	AAT/NAP
Start	1	End	459
GI	5103193	Score	766
Exons	1..459		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi|5738084|gb|AAD50242.1|AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		
Seq. No.	33472	Seq. ID	OJ000251_41.0216.C29
Gene No.	69395	Strand	-
Start	1	End	459

Name	OJ000251_41.0216.C29.o1.gs	Method	GENSCAN
Start	31	End	459
GI	none	Score	1
Exons	31..459		

Seq. No.	33472	Seq. ID	OJ000251_41.0216.C29
Gene No.	69396	Strand	
Start	419	End	565
Name	OJ000251_41.0216.C29.o1.tc	Method	TBLASTX:Cress
Start	419	End	565
GI	none	Score	191
Exons	419..565, 419..538, 421..564		

Seq. No.	33473	Seq. ID	OJ000251_41.0216.C31
Gene No.	69397	Strand	-
Start	1	End	490
Name	OJ000251_41.0216.C31.o1.np	Method	AAT/NAP
Start	1	End	490
GI	6691193	Score	491
Exons	1..490		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	33473	Seq. ID	OJ000251_41.0216.C31
Gene No.	69397	Strand	-
Start	1	End	490
Name	OJ000251_41.0216.C31.o1.tw	Method	TBLASTX:Wheat
Start	2	End	439
GI	none	Score	118
Exons	2..439, 81..293, 340..435		

Seq. No.	33473	Seq. ID	OJ000251_41.0216.C31
Gene No.	69397	Strand	-
Start	1	End	490
Name	OJ000251_41.0216.C31.o1.gs	Method	GENSCAN
Start	39	End	391
GI	none	Score	.84
Exons	39..391		

Seq. No.	33473	Seq. ID	OJ000251_41.0216.C31
Gene No.	69397	Strand	-
Start	1	End	490
Name	OJ000251_41.0216.C31.o1.ts	Method	TBLASTX:Soybean
Start	86	End	440
GI	none	Score	119
Exons	86..376, 87..374, 398..439, 399..440		

Seq. No.	33474	Seq. ID	OJ000251_41.0216.C33
Gene No.	69398	Strand	+
Start	336	End	623
Name	OJ000251_41.0216.C33.o1.gs	Method	GENSCAN
Start	336	End	623
GI	none	Score	.8
Exons	336..623		

Seq. No.	33474	Seq. ID	OJ000251_41.0216.C33
Gene No.	69399	Strand	+
Start	922	End	1043

Name	OJ000251_41.0216.C33.o1.np	Method	AAT/NAP
Start	922	End	1043
GI	6815052	Score	124
Exons	922..1043		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	33475	Seq. ID	OJ000251_41.0216.C34
Gene No.	69400	Strand	+
Start	1	End	259
Name	OJ000251_41.0216.C34.o1.np	Method	AAT/NAP
Start	1	End	259
GI	6815052	Score	178
Exons	1..259		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	33475	Seq. ID	OJ000251_41.0216.C34
Gene No.	69401	Strand	-
Start	103	End	299
Name	OJ000251_41.0216.C34.o1.gs	Method	GENSCAN
Start	103	End	299
GI	none	Score	.6
Exons	103..299		

Seq. No.	33476	Seq. ID	OJ000251_41.0216.C35
Gene No.	69402	Strand	+
Start	282	End	454
Name	OJ000251_41.0216.C35.o1.gs	Method	GENSCAN
Start	282	End	454
GI	none	Score	.68
Exons	282..454		

Seq. No.	33476	Seq. ID	OJ000251_41.0216.C35
Gene No.	69403	Strand	-
Start	1	End	716
Name	OJ000251_41.0216.C35.o1.np	Method	AAT/NAP
Start	1	End	716
GI	6815052	Score	129
Exons	1..144, 561..716		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	33477	Seq. ID	OJ000251_41.0216.C38
Gene No.	69404	Strand	+
Start	1	End	572
Name	OJ000251_41.0216.C38.o1.np	Method	AAT/NAP
Start	1	End	572
GI	5902445	Score	969
Exons	1..572		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	33477	Seq. ID	OJ000251_41.0216.C38
Gene No.	69405	Strand	-
Start	420	End	571
Name	OJ000251_41.0216.C38.o1.tm	Method	TBLASTX:Maize
Start	178	End	541
GI	none	Score	446
Exons	178..489, 179..502, 199..522, 493..540, 494..541		

Seq. No.	33477	Seq. ID	OJ000251_41.0216.C38
Gene No.	69405	Strand	-
Start	420	End	571
Name	OJ000251_41.0216.C38.o1.tw	Method	TBLASTX:Wheat
Start	184	End	571
GI	none	Score	415
Exons	184..495, 185..571, 380..571		

Seq. No.	33477	Seq. ID	OJ000251_41.0216.C38
Gene No.	69405	Strand	-
Start	420	End	571
Name	OJ000251_41.0216.C38.o1.gs	Method	GENSCAN
Start	420	End	520
GI	none	Score	.98
Exons	420..520		

Seq. No.	33478	Seq. ID	OJ000251_41.0216.C39
Gene No.	69406	Strand	+
Start	1	End	1744
Name	OJ000251_41.0216.C39.o1.np	Method	AAT/NAP
Start	1	End	1744
GI	5042463	Score	169
Exons	1..230, 1682..1744		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	33478	Seq. ID	OJ000251_41.0216.C39
Gene No.	69407	Strand	-
Start	5658	End	5788
Name	OJ000251_41.0216.C39.o2.gs	Method	GENSCAN
Start	5658	End	5788
GI	none	Score	.73
Exons	5658..5788		

Seq. No.	33479	Seq. ID	OJ000251_41.0216.C40
Gene No.	69408	Strand	+
Start	1	End	2003
Name	OJ000251_41.0216.C40.o1.np	Method	AAT/NAP
Start	1	End	2003
GI	629693	Score	275
Exons	1..669, 1985..2003		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	33479	Seq. ID	OJ000251_41.0216.C40
Gene No.	69408	Strand	+
Start	1	End	2003
Name	OJ000251_41.0216.C40.o2.np	Method	AAT/NAP
Start	1	End	2003
GI	4263831	Score	172
Exons	1..264, 390..644, 1986..2003		
GI Descrip.	(AC006067) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	33479	Seq. ID	OJ000251_41.0216.C40
Gene No.	69408	Strand	+
Start	1	End	2003
Name	OJ000251_41.0216.C40.o1.gs	Method	GENSCAN

Start	224	End	1924
GI	none	Score	.6
Exons	224..283, 319..369, 895..1026, 1623..1781, 1847..1924		

Seq. No.	33479	Seq. ID	OJ000251_41.0216.C40
Gene No.	69408	Strand	+
Start	1	End	2003
Name	OJ000251_41.0216.C40.o3.np	Method	AAT/NAP
Start	1635	End	1936
GI	4680179	Score	163
Exons	1635..1936		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33480	Seq. ID	OJ000251_41.0216.C41
Gene No.	69409	Strand	-
Start	1637	End	1969
Name	OJ000251_41.0216.C41.o1.np	Method	AAT/NAP
Start	1637	End	1918
GI	6630696	Score	351
Exons	1637..1918		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94 (P10978) [Oryza sativa]		

Seq. No.	33480	Seq. ID	OJ000251_41.0216.C41
Gene No.	69409	Strand	-
Start	1637	End	1969
Name	OJ000251_41.0216.C41.o1.tw	Method	TBLASTX:Wheat
Start	1637	End	1969
GI	none	Score	174
Exons	1637..1840, 1638..1859, 1910..1969		

Seq. No.	33481	Seq. ID	OJ000251_41.0216.C42
Gene No.	69410	Strand	+
Start	1	End	4766
Name	OJ000251_41.0216.C42.o1.np	Method	AAT/NAP
Start	1	End	4766
GI	5852180	Score	513
Exons	1..55, 1193..1244, 2226..2344, 2396..2840, 4738..4766		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	33481	Seq. ID	OJ000251_41.0216.C42
Gene No.	69411	Strand	-
Start	1094	End	1474
Name	OJ000251_41.0216.C42.o1.gp	Method	AAT/GAP
Start	1094	End	1474
GI	uC-osf1cyp033a04b1	Score	662
Exons	1094..1474		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	33481	Seq. ID	OJ000251_41.0216.C42
Gene No.	69412	Strand	-
Start	1906	End	4766
Name	OJ000251_41.0216.C42.o2.gs	Method	GENSCAN
Start	1906	End	4702
GI	none	Score	.55

Exons	1906..1991, 2285..2354, 2550..2827, 3513..3756, 3932..4702		
Seq. No.	33481	Seq. ID	OJ000251_41.0216.C42
Gene No.	69412	Strand	-
Start	1906	End	4766
Name	OJ000251_41.0216.C42.o2.np	Method	AAT/NAP
Start	3499	End	4766
GI	4680179	Score	1277
Exons	3499..4766		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	33481	Seq. ID	OJ000251_41.0216.C42
Gene No.	69412	Strand	-
Start	1906	End	4766
Name	OJ000251_41.0216.C42.o2.tw	Method	TBLASTX:Wheat
Start	3544	End	3838
GI	none	Score	127
Exons	3544..3837, 3608..3838		
Seq. No.	33481	Seq. ID	OJ000251_41.0216.C42
Gene No.	69412	Strand	-
Start	1906	End	4766
Name	OJ000251_41.0216.C42.o3.tm	Method	TBLASTX:Maize
Start	3595	End	3828
GI	none	Score	122
Exons	3595..3828, 3644..3811, 3739..3822		
Seq. No.	33481	Seq. ID	OJ000251_41.0216.C42
Gene No.	69412	Strand	-
Start	1906	End	4766
Name	OJ000251_41.0216.C42.o4.tw	Method	TBLASTX:Wheat
Start	3839	End	4016
GI	none	Score	120
Exons	3839..4009, 3839..4015, 3861..4016		
Seq. No.	33481	Seq. ID	OJ000251_41.0216.C42
Gene No.	69412	Strand	-
Start	1906	End	4766
Name	OJ000251_41.0216.C42.o1.tm	Method	TBLASTX:Maize
Start	3884	End	4176
GI	none	Score	198
Exons	3884..4174, 3888..4175, 3988..4176		
Seq. No.	33481	Seq. ID	OJ000251_41.0216.C42
Gene No.	69412	Strand	-
Start	1906	End	4766
Name	OJ000251_41.0216.C42.o1.ts	Method	TBLASTX:Soybean
Start	3973	End	4234
GI	none	Score	138
Exons	3973..4155, 3974..4234, 3975..4229		
Seq. No.	33481	Seq. ID	OJ000251_41.0216.C42
Gene No.	69412	Strand	-
Start	1906	End	4766
Name	OJ000251_41.0216.C42.o1.tc	Method	TBLASTX:Cress
Start	3998	End	4315
GI	none	Score	82

Exons	3998..4141, 3999..4139, 4142..4315		
Seq. No.	33481	Seq. ID	OJ000251_41.0216.C42
Gene No.	69412	Strand	-
Start	1906	End	4766
Name	OJ000251_41.0216.C42.o1.tw	Method	TBLASTX:Wheat
Start	4022	End	4600
GI	none	Score	348
Exons	4022..4600, 4023..4589		
Seq. No.	33481	Seq. ID	OJ000251_41.0216.C42
Gene No.	69412	Strand	-
Start	1906	End	4766
Name	OJ000251_41.0216.C42.o2.tm	Method	TBLASTX:Maize
Start	4589	End	4765
GI	none	Score	95
Exons	4589..4765, 4593..4739		
Seq. No.	33481	Seq. ID	OJ000251_41.0216.C42
Gene No.	69412	Strand	-
Start	1906	End	4766
Name	OJ000251_41.0216.C42.o3.tw	Method	TBLASTX:Wheat
Start	4601	End	4766
GI	none	Score	144
Exons	4601..4765, 4602..4766		
Seq. No.	33482	Seq. ID	OJ000251_41.0216.C43
Gene No.	69413	Strand	-
Start	315	End	1085
Name	OJ000251_41.0216.C43.o1.gs	Method	GENSCAN
Start	315	End	1067
GI	none	Score	.95
Exons	315..1067		
Seq. No.	33482	Seq. ID	OJ000251_41.0216.C43
Gene No.	69413	Strand	-
Start	315	End	1085
Name	OJ000251_41.0216.C43.o1.np	Method	AAT/NAP
Start	318	End	1085
GI	4680179	Score	1095
Exons	318..1085		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	33482	Seq. ID	OJ000251_41.0216.C43
Gene No.	69413	Strand	-
Start	315	End	1085
Name	OJ000251_41.0216.C43.o2.tw	Method	TBLASTX:Wheat
Start	363	End	696
GI	none	Score	151
Exons	363..695, 427..696		
Seq. No.	33482	Seq. ID	OJ000251_41.0216.C43
Gene No.	69413	Strand	-
Start	315	End	1085
Name	OJ000251_41.0216.C43.o1.tm	Method	TBLASTX:Maize
Start	543	End	1085
GI	none	Score	207

Exons	543..983, 559..981, 981..1085, 1000..1077		
Seq. No.	33482	Seq. ID	OJ000251_41.0216.C43
Gene No.	69413	Strand	-
Start	315	End	1085
Name	OJ000251_41.0216.C43.o1.tw	Method	TBLASTX:Wheat
Start	696	End	1085
GI	none	Score	184
Exons	696..1085, 808..1080		
Seq. No.	33483	Seq. ID	OJ000251_41.0216.C44
Gene No.	69414	Strand	-
Start	1	End	1529
Name	OJ000251_41.0216.C44.o1.np	Method	AAT/NAP
Start	1	End	1529
GI	4680179	Score	2159
Exons	1..1529		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	33483	Seq. ID	OJ000251_41.0216.C44
Gene No.	69414	Strand	-
Start	1	End	1529
Name	OJ000251_41.0216.C44.o1.tw	Method	TBLASTX:Wheat
Start	88	End	591
GI	none	Score	246
Exons	88..591, 166..543, 170..559		
Seq. No.	33483	Seq. ID	OJ000251_41.0216.C44
Gene No.	69414	Strand	-
Start	1	End	1529
Name	OJ000251_41.0216.C44.o1.tm	Method	TBLASTX:Maize
Start	157	End	520
GI	none	Score	172
Exons	157..519, 166..519, 170..520		
Seq. No.	33483	Seq. ID	OJ000251_41.0216.C44
Gene No.	69414	Strand	-
Start	1	End	1529
Name	OJ000251_41.0216.C44.o1.gs	Method	GENSCAN
Start	204	End	1455
GI	none	Score	.44
Exons	204..1455		
Seq. No.	33483	Seq. ID	OJ000251_41.0216.C44
Gene No.	69414	Strand	-
Start	1	End	1529
Name	OJ000251_41.0216.C44.o2.ts	Method	TBLASTX:Soybean
Start	340	End	585
GI	none	Score	93
Exons	340..585, 341..568		
Seq. No.	33483	Seq. ID	OJ000251_41.0216.C44
Gene No.	69414	Strand	-
Start	1	End	1529
Name	OJ000251_41.0216.C44.o2.tm	Method	TBLASTX:Maize
Start	556	End	1056
GI	none	Score	50

Exons	556..870, 599..649, 677..730, 877..1056, 929..1048		
Seq. No.	33483	Seq. ID	OJ000251_41.0216.C44
Gene No.	69414	Strand	-
Start	1	End	1529
Name	OJ000251_41.0216.C44.o3.tw	Method	TBLASTX:Wheat
Start	592	End	894
GI	none	Score	272
Exons	592..894, 608..892		
Seq. No.	33483	Seq. ID	OJ000251_41.0216.C44
Gene No.	69414	Strand	-
Start	1	End	1529
Name	OJ000251_41.0216.C44.o1.ts	Method	TBLASTX:Soybean
Start	607	End	1002
GI	none	Score	193
Exons	607..966, 608..898, 929..964, 970..1002, 971..1000		
Seq. No.	33483	Seq. ID	OJ000251_41.0216.C44
Gene No.	69414	Strand	-
Start	1	End	1529
Name	OJ000251_41.0216.C44.o2.tw	Method	TBLASTX:Wheat
Start	943	End	1429
GI	none	Score	261
Exons	943..1320, 986..1429, 1375..1425		
Seq. No.	33483	Seq. ID	OJ000251_41.0216.C44
Gene No.	69414	Strand	-
Start	1	End	1529
Name	OJ000251_41.0216.C44.o1.tc	Method	TBLASTX:Cress
Start	979	End	1296
GI	none	Score	180
Exons	979..1296		
Seq. No.	33483	Seq. ID	OJ000251_41.0216.C44
Gene No.	69414	Strand	-
Start	1	End	1529
Name	OJ000251_41.0216.C44.o3.tm	Method	TBLASTX:Maize
Start	1124	End	1414
GI	none	Score	185
Exons	1124..1414, 1126..1413		
Seq. No.	33484	Seq. ID	OJ000251_41.0216.C45
Gene No.	69415	Strand	-
Start	1	End	1399
Name	OJ000251_41.0216.C45.o1.np	Method	AAT/NAP
Start	1	End	1399
GI	4680179	Score	1012
Exons	1..286, 320..1399		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	33484	Seq. ID	OJ000251_41.0216.C45
Gene No.	69415	Strand	-
Start	1	End	1399
Name	OJ000251_41.0216.C45.o3.tw	Method	TBLASTX:Wheat
Start	2	End	379
GI	none	Score	57

Exons	2..256, 63..203, 284..379		
Seq. No.	33484	Seq. ID	OJ000251_41.0216.C45
Gene No.	69415	Strand	-
Start	1	End	1399
Name	OJ000251_41.0216.C45.o1.gs	Method	GENSCAN
Start	208	End	1396
GI	none	Score	.79
Exons	208..1396		
Seq. No.	33484	Seq. ID	OJ000251_41.0216.C45
Gene No.	69415	Strand	-
Start	1	End	1399
Name	OJ000251_41.0216.C45.o1.tw	Method	TBLASTX:Wheat
Start	578	End	929
GI	none	Score	112
Exons	578..928, 735..929		
Seq. No.	33484	Seq. ID	OJ000251_41.0216.C45
Gene No.	69415	Strand	-
Start	1	End	1399
Name	OJ000251_41.0216.C45.o1.tm	Method	TBLASTX:Maize
Start	623	End	928
GI	none	Score	90
Exons	623..928, 798..914		
Seq. No.	33484	Seq. ID	OJ000251_41.0216.C45
Gene No.	69415	Strand	-
Start	1	End	1399
Name	OJ000251_41.0216.C45.o2.tw	Method	TBLASTX:Wheat
Start	962	End	1222
GI	none	Score	66
Exons	962..1054, 963..1160, 965..1162, 1175..1222		
Seq. No.	33485	Seq. ID	OJ000251_41.0216.C46
Gene No.	69416	Strand	+
Start	890	End	6981
Name	OJ000251_41.0216.C46.o3.np	Method	AAT/NAP
Start	890	End	6981
GI	5852180	Score	623
Exons	890..925, 4451..4517, 5496..5619, 5671..6077, 6849..6981		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	33485	Seq. ID	OJ000251_41.0216.C46
Gene No.	69416	Strand	+
Start	890	End	6981
Name	OJ000251_41.0216.C46.o4.np	Method	AAT/NAP
Start	2807	End	6981
GI	2443320	Score	214
Exons	2807..2850, 6734..6981		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		
Seq. No.	33485	Seq. ID	OJ000251_41.0216.C46
Gene No.	69416	Strand	+
Start	890	End	6981
Name	OJ000251_41.0216.C46.o2.gs	Method	GENSCAN
Start	5658	End	6259

GI	none	Score	.61
Exons	5658..6259		

Seq. No.	33485	Seq. ID	OJ000251_41.0216.C46
Gene No.	69417	Strand	-
Start	1	End	2423
Name	OJ000251_41.0216.C46.o1.np	Method	AAT/NAP
Start	1	End	2423
GI	4680179	Score	2316
Exons	1..1307, 1341..2423		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33485	Seq. ID	OJ000251_41.0216.C46
Gene No.	69418	Strand	-
Start	4366	End	4747
Name	OJ000251_41.0216.C46.o1.ts	Method	TBLASTX:Soybean
Start	1	End	285
GI	none	Score	154
Exons	1..285, 2..217, 248..283		

Seq. No.	33485	Seq. ID	OJ000251_41.0216.C46
Gene No.	69418	Strand	-
Start	4366	End	4747
Name	OJ000251_41.0216.C46.o3.tw	Method	TBLASTX:Wheat
Start	1	End	213
GI	none	Score	184
Exons	1..213, 2..211		

Seq. No.	33485	Seq. ID	OJ000251_41.0216.C46
Gene No.	69418	Strand	-
Start	4366	End	4747
Name	OJ000251_41.0216.C46.o3.tm	Method	TBLASTX:Maize
Start	44	End	207
GI	none	Score	105
Exons	44..202, 46..207, 55..207		

Seq. No.	33485	Seq. ID	OJ000251_41.0216.C46
Gene No.	69418	Strand	-
Start	4366	End	4747
Name	OJ000251_41.0216.C46.o1.tm	Method	TBLASTX:Maize
Start	208	End	638
GI	none	Score	53
Exons	208..285, 303..638, 304..408, 426..599		

Seq. No.	33485	Seq. ID	OJ000251_41.0216.C46
Gene No.	69418	Strand	-
Start	4366	End	4747
Name	OJ000251_41.0216.C46.o1.tw	Method	TBLASTX:Wheat
Start	299	End	747
GI	none	Score	221
Exons	299..622, 303..629, 303..638, 304..747, 693..743		

Seq. No.	33485	Seq. ID	OJ000251_41.0216.C46
Gene No.	69418	Strand	-
Start	4366	End	4747
Name	OJ000251_41.0216.C46.o4.tw	Method	TBLASTX:Wheat
Start	843	End	1280

GI	none	Score	68
Exons	843..884, 912..1025, 913..1026, 1071..1280, 1072..1224		

Seq. No.	33485	Seq. ID	OJ000251_41.0216.C46
Gene No.	69418	Strand	-
Start	4366	End	4747
Name	OJ000251_41.0216.C46.o4.tm	Method	TBLASTX:Maize
Start	963	End	1286
GI	none	Score	187
Exons	963..1286		

Seq. No.	33485	Seq. ID	OJ000251_41.0216.C46
Gene No.	69418	Strand	-
Start	4366	End	4747
Name	OJ000251_41.0216.C46.o2.tm	Method	TBLASTX:Maize
Start	1644	End	1949
GI	none	Score	78
Exons	1644..1949, 1843..1935		

Seq. No.	33485	Seq. ID	OJ000251_41.0216.C46
Gene No.	69418	Strand	-
Start	4366	End	4747
Name	OJ000251_41.0216.C46.o2.tw	Method	TBLASTX:Wheat
Start	1828	End	2192
GI	none	Score	148
Exons	1828..2190, 1830..2192		

Seq. No.	33485	Seq. ID	OJ000251_41.0216.C46
Gene No.	69418	Strand	-
Start	4366	End	4747
Name	OJ000251_41.0216.C46.o1.gp	Method	AAT/GAP
Start	4366	End	4747
GI	uC-osf1cyp033a04b1	Score	679
Exons	4366..4747		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	33485	Seq. ID	OJ000251_41.0216.C46
Gene No.	69419	Strand	
Start	6807	End	6981
Name	OJ000251_41.0216.C46.o5.tw	Method	TBLASTX:Wheat
Start	6807	End	6981
GI	none	Score	145
Exons	6807..6923, 6820..6918, 6827..6919, 6925..6981, 6926..6979		

Seq. No.	33486	Seq. ID	OJ000251_41.0216.C47
Gene No.	69420	Strand	-
Start	1	End	2556
Name	OJ000251_41.0216.C47.o1.np	Method	AAT/NAP
Start	1	End	2556
GI	4680179	Score	3609
Exons	1..2556		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33486	Seq. ID	OJ000251_41.0216.C47
Gene No.	69420	Strand	-
Start	1	End	2556

Name	OJ000251_41.0216.C47.o2.tw	Method	TBLASTX:Wheat
Start	1	End	564
GI	none	Score	264
Exons	1..564, 50..508		

Seq. No.	33486	Seq. ID	OJ000251_41.0216.C47
Gene No.	69420	Strand	-
Start	1	End	2556
Name	OJ000251_41.0216.C47.o4.tm	Method	TBLASTX:Maize
Start	1	End	283
GI	none	Score	122
Exons	1..282, 50..283		

Seq. No.	33486	Seq. ID	OJ000251_41.0216.C47
Gene No.	69420	Strand	-
Start	1	End	2556
Name	OJ000251_41.0216.C47.o1.gs	Method	GENSCAN
Start	70	End	2513
GI	none	Score	.81
Exons	70..2513		

Seq. No.	33486	Seq. ID	OJ000251_41.0216.C47
Gene No.	69420	Strand	-
Start	1	End	2556
Name	OJ000251_41.0216.C47.o2.tm	Method	TBLASTX:Maize
Start	286	End	606
GI	none	Score	169
Exons	286..594, 289..606, 344..595		

Seq. No.	33486	Seq. ID	OJ000251_41.0216.C47
Gene No.	69420	Strand	-
Start	1	End	2556
Name	OJ000251_41.0216.C47.o2.ts	Method	TBLASTX:Soybean
Start	523	End	783
GI	none	Score	155
Exons	523..783, 524..778		

Seq. No.	33486	Seq. ID	OJ000251_41.0216.C47
Gene No.	69420	Strand	-
Start	1	End	2556
Name	OJ000251_41.0216.C47.o1.tw	Method	TBLASTX:Wheat
Start	571	End	1149
GI	none	Score	334
Exons	571..1149, 572..1138		

Seq. No.	33486	Seq. ID	OJ000251_41.0216.C47
Gene No.	69420	Strand	-
Start	1	End	2556
Name	OJ000251_41.0216.C47.o5.tm	Method	TBLASTX:Maize
Start	610	End	921
GI	none	Score	96
Exons	610..921, 614..811, 757..897		

Seq. No.	33486	Seq. ID	OJ000251_41.0216.C47
Gene No.	69420	Strand	-
Start	1	End	2556
Name	OJ000251_41.0216.C47.o1.tm	Method	TBLASTX:Maize

Start	1138	End	1492
GI	none	Score	164
Exons	1138..1491, 1144..1491, 1232..1492		

Seq. No.	33486	Seq. ID	OJ000251_41.0216.C47
Gene No.	69420	Strand	-
Start	1	End	2556
Name	OJ000251_41.0216.C47.o3.tw	Method	TBLASTX:Wheat
Start	1150	End	1563
GI	none	Score	306
Exons	1150..1563, 1151..1531		

Seq. No.	33486	Seq. ID	OJ000251_41.0216.C47
Gene No.	69420	Strand	-
Start	1	End	2556
Name	OJ000251_41.0216.C47.o3.ts	Method	TBLASTX:Soybean
Start	1312	End	1557
GI	none	Score	66
Exons	1312..1557, 1412..1540		

Seq. No.	33486	Seq. ID	OJ000251_41.0216.C47
Gene No.	69420	Strand	-
Start	1	End	2556
Name	OJ000251_41.0216.C47.o3.tm	Method	TBLASTX:Maize
Start	1528	End	2028
GI	none	Score	50
Exons	1528..1842, 1571..1621, 1649..1702, 1849..2028, 1901..2020		

Seq. No.	33486	Seq. ID	OJ000251_41.0216.C47
Gene No.	69420	Strand	-
Start	1	End	2556
Name	OJ000251_41.0216.C47.o5.tw	Method	TBLASTX:Wheat
Start	1564	End	1866
GI	none	Score	260
Exons	1564..1866, 1580..1858		

Seq. No.	33486	Seq. ID	OJ000251_41.0216.C47
Gene No.	69420	Strand	-
Start	1	End	2556
Name	OJ000251_41.0216.C47.o1.ts	Method	TBLASTX:Soybean
Start	1579	End	1974
GI	none	Score	192
Exons	1579..1938, 1580..1870, 1901..1936, 1942..1974, 1943..1972		

Seq. No.	33486	Seq. ID	OJ000251_41.0216.C47
Gene No.	69420	Strand	-
Start	1	End	2556
Name	OJ000251_41.0216.C47.o4.tw	Method	TBLASTX:Wheat
Start	1915	End	2401
GI	none	Score	257
Exons	1915..2292, 1958..2401, 2012..2293, 2347..2397		

Seq. No.	33486	Seq. ID	OJ000251_41.0216.C47
Gene No.	69420	Strand	-
Start	1	End	2556
Name	OJ000251_41.0216.C47.o6.tm	Method	TBLASTX:Maize
Start	2096	End	2386

GI	none	Score	183
Exons	2096..2386, 2098..2385		
Seq. No.	33487	Seq. ID	OJ000251_41.0216.C48
Gene No.	69421	Strand	-
Start	1	End	559
Name	OJ000251_41.0216.C48.o1.np	Method	AAT/NAP
Start	1	End	559
GI	4680179	Score	408
Exons	1..559		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	33487	Seq. ID	OJ000251_41.0216.C48
Gene No.	69421	Strand	-
Start	1	End	559
Name	OJ000251_41.0216.C48.o1.tw	Method	TBLASTX:Wheat
Start	2	End	323
GI	none	Score	131
Exons	2..322, 9..323		
Seq. No.	33487	Seq. ID	OJ000251_41.0216.C48
Gene No.	69421	Strand	-
Start	1	End	559
Name	OJ000251_41.0216.C48.o1.gs	Method	GENSCAN
Start	147	End	556
GI	none	Score	.74
Exons	147..556		
Seq. No.	33488	Seq. ID	OJ000251_41.0216.C49
Gene No.	69422	Strand	+
Start	237	End	529
Name	OJ000251_41.0216.C49.o1.gs	Method	GENSCAN
Start	237	End	529
GI	none	Score	.92
Exons	237..529		
Seq. No.	33488	Seq. ID	OJ000251_41.0216.C49
Gene No.	69423	Strand	-
Start	1	End	596
Name	OJ000251_41.0216.C49.o1.np	Method	AAT/NAP
Start	1	End	596
GI	5852180	Score	293
Exons	1..43, 262..596		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	33489	Seq. ID	OJ000251_48.0228.C2
Gene No.	69424	Strand	+
Start	482	End	1140
Name	OJ000251_48.0228.C2.o1.gs	Method	GENSCAN
Start	482	End	1140
GI	none	Score	.6
Exons	482..722, 823..953, 1093..1140		
Seq. No.	33490	Seq. ID	OJ000251_48.0228.C5
Gene No.	69425	Strand	+
Start	182	End	630
Name	OJ000251_48.0228.C5.o1.gs	Method	GENSCAN

Start	182	End	630
GI	none	Score	.59
Exons	182..416, 508..630		

Seq. No.	33490	Seq. ID	OJ000251_48.0228.C5
Gene No.	69426	Strand	-
Start	1654	End	2518
Name	OJ000251_48.0228.C5.o2.gs	Method	GENSCAN
Start	1654	End	2285
GI	none	Score	.9
Exons	1654..1922, 2150..2285		

Seq. No.	33490	Seq. ID	OJ000251_48.0228.C5
Gene No.	69426	Strand	-
Start	1654	End	2518
Name	OJ000251_48.0228.C5.o1.np	Method	AAT/NAP
Start	2156	End	2518
GI	4836698	Score	63
Exons	2156..2242, 2443..2518		
GI Descrip.	(AF132606) transcription factor CRC [Arabidopsis thaliana]		

Seq. No.	33491	Seq. ID	OJ000251_48.0228.C7
Gene No.	69427	Strand	+
Start	1	End	721
Name	OJ000251_48.0228.C7.o1.np	Method	AAT/NAP
Start	1	End	721
GI	5354158	Score	391
Exons	1..223, 560..721		
GI Descrip.	(AF149841) digalactosyldiacylglycerol synthase [Arabidopsis thaliana] gi|5354160|gb|AAD42379.1|AF149842_1 (AF149842) digalactosyldiacylglycerol synthase [Arabidopsis thaliana] gi|6041825|gb|AAF02140.1|AC009918_12 (AC009918) digalactosyldiacylglycerol synthase [Arabidopsis thaliana]		

Seq. No.	33491	Seq. ID	OJ000251_48.0228.C7
Gene No.	69427	Strand	+
Start	1	End	721
Name	OJ000251_48.0228.C7.o1.gs	Method	GENSCAN
Start	33	End	223
GI	none	Score	.93
Exons	33..223		

Seq. No.	33492	Seq. ID	OJ000251_48.0228.C9
Gene No.	69428	Strand	+
Start	8	End	110
Name	OJ000251_48.0228.C9.o1.gs	Method	GENSCAN
Start	8	End	110
GI	none	Score	.9
Exons	8..110		

Seq. No.	33493	Seq. ID	OJ000251_48.0228.C11
Gene No.	69429	Strand	-
Start	1	End	744
Name	OJ000251_48.0228.C11.o1.np	Method	AAT/NAP
Start	115	End	744
GI	1076739	Score	315
Exons	115..274, 493..534, 625..744		

GI Descrip.	box protein - rice gi|508577 (L34271) box protein [Oryza sativa]		
Seq. No.	33493	Seq. ID	OJ000251_48.0228.C11
Gene No.	69429	Strand	-
Start	1	End	744
Name	OJ000251_48.0228.C11.o1.gs	Method	GENSCAN
Start	142	End	699
GI	none	Score	.71
Exons	142..274, 334..534, 625..699		
Seq. No.	33494	Seq. ID	OJ000251_48.0228.C13
Gene No.	69430	Strand	-
Start	360	End	425
Name	OJ000251_48.0228.C13.o1.gs	Method	GENSCAN
Start	360	End	425
GI	none	Score	.94
Exons	360..425		
Seq. No.	33495	Seq. ID	OJ000251_48.0228.C14
Gene No.	69431	Strand	-
Start	1	End	650
Name	OJ000251_48.0228.C14.o1.np	Method	AAT/NAP
Start	1	End	650
GI	2498930	Score	749
Exons	1..418, 586..650		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	33496	Seq. ID	OJ000251_48.0228.C15
Gene No.	69432	Strand	-
Start	253	End	474
Name	OJ000251_48.0228.C15.o1.np	Method	AAT/NAP
Start	253	End	471
GI	3219785	Score	176
Exons	253..471		
GI Descrip.	PUTATIVE CYSTEINE SYNTHASE (O-ACETYLSERINE SULFHYDRYLASE) (O-ACETYLSERINE (THIOL)-LYASE) (CSASE) gi|2104433|emb|CAB08745| (Z95395) putative cysteine synthase [Schizosaccharomyces pombe]		
Seq. No.	33496	Seq. ID	OJ000251_48.0228.C15
Gene No.	69432	Strand	-
Start	253	End	474
Name	OJ000251_48.0228.C15.o1.ts	Method	TBLASTX:Soybean
Start	259	End	474
GI	none	Score	229
Exons	259..471, 260..472, 262..474, 320..472		
Seq. No.	33496	Seq. ID	OJ000251_48.0228.C15
Gene No.	69432	Strand	-
Start	253	End	474
Name	OJ000251_48.0228.C15.o1.gs	Method	GENSCAN
Start	330	End	423
GI	none	Score	.73
Exons	330..423		
Seq. No.	33497	Seq. ID	OJ000251_48.0228.C16
Gene No.	69433	Strand	-

Start	1	End	371
Name	OJ000251_48.0228.C16.o1.np	Method	AAT/NAP
Start	1	End	368
GI	1651736	Score	56
Exons	1..26, 218..368		
GI Descrip.	(D90899) cysteine synthase [Synechocystis sp.]		

Seq. No.	33497	Seq. ID	OJ000251_48.0228.C16
Gene No.	69433	Strand	-
Start	1	End	371
Name	OJ000251_48.0228.C16.o1.tm	Method	TBLASTX:Maize
Start	220	End	371
GI	none	Score	212
Exons	220..357, 225..371, 226..369		

Seq. No.	33497	Seq. ID	OJ000251_48.0228.C16
Gene No.	69433	Strand	-
Start	1	End	371
Name	OJ000251_48.0228.C16.o1.gs	Method	GENSCAN
Start	222	End	368
GI	none	Score	.89
Exons	222..368		

Seq. No.	33498	Seq. ID	OJ000251_48.0228.C24
Gene No.	69434	Strand	+
Start	170	End	728
Name	OJ000251_48.0228.C24.o1.gs	Method	GENSCAN
Start	170	End	728
GI	none	Score	.59
Exons	170..292, 294..465, 597..728		

Seq. No.	33499	Seq. ID	OJ000251_48.0228.C25
Gene No.	69435	Strand	-
Start	1	End	2110
Name	OJ000251_48.0228.C25.o1.gp	Method	AAT/GAP
Start	1	End	1008
GI	18962_2.R1084	Score	524
Exons	1..169, 902..1008		
GI Descrip.	'3746882 2.0e-16 (AF086708) 26S proteasome subunit 11 [Homo sapiens]'		

Seq. No.	33499	Seq. ID	OJ000251_48.0228.C25
Gene No.	69435	Strand	-
Start	1	End	2110
Name	OJ000251_48.0228.C25.o1.np	Method	AAT/NAP
Start	1	End	2110
GI	6434960	Score	266
Exons	1..169, 902..1001, 1097..1293, 1999..2110		
GI Descrip.	(AF145311) 26S proteasome regulatory complex subunit p39A [Drosophila melanogaster]		

Seq. No.	33499	Seq. ID	OJ000251_48.0228.C25
Gene No.	69435	Strand	-
Start	1	End	2110
Name	OJ000251_48.0228.C25.o1.tm	Method	TBLASTX:Maize
Start	2	End	2080
GI	none	Score	202

Exons	2..175, 3..170, 82..171, 897..989, 899..1000, 900..1007, 901..1005, 1086..1286, 1097..1309, 1097..1291, 1099..1311, 1993..2037, 1994..2080, 2000..2074		
Seq. No.	33499	Seq. ID	OJ000251_48.0228.C25
Gene No.	69435	Strand	-
Start	1	End	2110
Name	OJ000251_48.0228.C25.o1.ts	Method	TBLASTX:Soybean
Start	2	End	2080
GI	none	Score	111
Exons	2..175, 3..131, 899..1000, 900..1004, 1097..1303, 1099..1311, 1108..1308, 1978..2037, 1994..2080, 2022..2078		
Seq. No.	33499	Seq. ID	OJ000251_48.0228.C25
Gene No.	69435	Strand	-
Start	1	End	2110
Name	OJ000251_48.0228.C25.o2.tc	Method	TBLASTX:Cress
Start	2	End	175
GI	none	Score	126
Exons	2..175, 3..131, 32..169		
Seq. No.	33499	Seq. ID	OJ000251_48.0228.C25
Gene No.	69435	Strand	-
Start	1	End	2110
Name	OJ000251_48.0228.C25.o1.gs	Method	GENSCAN
Start	83	End	2051
GI	none	Score	.85
Exons	83..169, 902..1001, 1097..1293, 1999..2051		
Seq. No.	33499	Seq. ID	OJ000251_48.0228.C25
Gene No.	69435	Strand	-
Start	1	End	2110
Name	OJ000251_48.0228.C25.o1.tw	Method	TBLASTX:Wheat
Start	98	End	1257
GI	none	Score	66
Exons	98..175, 99..170, 100..171, 899..1000, 900..1007, 901..1002, 1097..1255, 1099..1257, 1099..1257		
Seq. No.	33499	Seq. ID	OJ000251_48.0228.C25
Gene No.	69435	Strand	-
Start	1	End	2110
Name	OJ000251_48.0228.C25.o1.tc	Method	TBLASTX:Cress
Start	899	End	1311
GI	none	Score	114
Exons	899..1000, 900..1007, 1097..1309, 1099..1311		
Seq. No.	33499	Seq. ID	OJ000251_48.0228.C25
Gene No.	69435	Strand	-
Start	1	End	2110
Name	OJ000251_48.0228.C25.o2.gp	Method	AAT/GAP
Start	1099	End	2110
GI	22207_1.R1084	Score	486
Exons	1099..1293, 1999..2110		
GI Descrip.	'5106785/gb|AAD39843.1| 5.0e-13 (AF083245) HSPC027 [Homo sapiens]'		
Seq. No.	33500	Seq. ID	OJ000251_48.0228.C26

Gene No.	69436	Strand	+
Start	574	End	586
Name	OJ000251_48.0228.C26.o1.gs	Method	GENSCAN
Start	574	End	586
GI	none	Score	.63
Exons	574..586		

Seq. No.	33501	Seq. ID	OJ000251_48.0228.C27
Gene No.	69437	Strand	+
Start	1	End	1174
Name	OJ000251_48.0228.C27.o1.np	Method	AAT/NAP
Start	1	End	1174
GI	5354158	Score	280
Exons	1..32, 905..1174		
GI Descrip.	(AF149841) digalactosyldiacylglycerol synthase [Arabidopsis thaliana] gi|5354160|gb|AAD42379.1|AF149842_1 (AF149842) digalactosyldiacylglycerol synthase [Arabidopsis thaliana] gi|6041825|gb|AAF02140.1|AC009918_12 (AC009918) digalactosyldiacylglycerol synthase [Arabidopsis thaliana]		

Seq. No.	33501	Seq. ID	OJ000251_48.0228.C27
Gene No.	69437	Strand	+
Start	1	End	1174
Name	OJ000251_48.0228.C27.o1.gs	Method	GENSCAN
Start	122	End	1174
GI	none	Score	.8
Exons	122..283, 385..493, 951..1174		

Seq. No.	33501	Seq. ID	OJ000251_48.0228.C27
Gene No.	69437	Strand	+
Start	1	End	1174
Name	OJ000251_48.0228.C27.o1.ts	Method	TBLASTX:Soybean
Start	893	End	1174
GI	none	Score	330
Exons	893..1174, 913..1173		

Seq. No.	33501	Seq. ID	OJ000251_48.0228.C27
Gene No.	69437	Strand	+
Start	1	End	1174
Name	OJ000251_48.0228.C27.o1.tm	Method	TBLASTX:Maize
Start	905	End	1174
GI	none	Score	354
Exons	905..1174, 913..1173		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69438	Strand	+
Start	392	End	1279
Name	OJ000251_48.0228.C30.o1.gs	Method	GENSCAN
Start	392	End	1279
GI	none	Score	.53
Exons	392..494, 1269..1279		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69439	Strand	+
Start	7001	End	7318
Name	OJ000251_48.0228.C30.o3.gs	Method	GENSCAN
Start	7001	End	7318

GI	none	Score	.55
Exons	7001..7067, 7251..7318		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69440	Strand	+
Start	11871	End	12042
Name	OJ000251_48.0228.C30.o1.gp	Method	AAT/GAP
Start	11871	End	12042
GI	uC-osf1M202062f05b1	Score	229
Exons	11871..12042		
GI Descrip.	'3540195 1.0e-35 (AC004260) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69441	Strand	+
Start	12566	End	12737
Name	OJ000251_48.0228.C30.o2.gp	Method	AAT/GAP
Start	12566	End	12737
GI	uC-osf1M202062f05b1	Score	275
Exons	12566..12737		
GI Descrip.	'3540195 1.0e-35 (AC004260) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69442	Strand	+
Start	14406	End	17214
Name	OJ000251_48.0228.C30.o5.gs	Method	GENSCAN
Start	14406	End	16995
GI	none	Score	.76
Exons	14406..14407, 14661..14861, 15033..15323, 15404..15666, 15974..16995		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69442	Strand	+
Start	14406	End	17214
Name	OJ000251_48.0228.C30.o1.np	Method	AAT/NAP
Start	15068	End	17001
GI	3540195	Score	1855
Exons	15068..15666, 15974..17001		
GI Descrip.	(AC004260) Unknown protein [Arabidopsis thaliana]		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69442	Strand	+
Start	14406	End	17214
Name	OJ000251_48.0228.C30.o3.gp	Method	AAT/GAP
Start	15143	End	15591
GI	2431484	Score	875
Exons	15143..15591		
GI Descrip.	3540195 1.0e-35 (AC004260) Unknown protein [Arabidopsis thaliana]		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69442	Strand	+
Start	14406	End	17214
Name	OJ000251_48.0228.C30.o4.gp	Method	AAT/GAP
Start	16642	End	17214
GI	31975_1.R1084	Score	1127

Exons	16642..17214		
GI Descrip.	'3540195 1.0e-35 (AC004260) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69443	Strand	-
Start	3124	End	4572
Name	OJ000251_48.0228.C30.o2.gs	Method	GENSCAN
Start	3124	End	4572
GI	none	Score	.57
Exons	3124..3199, 4216..4316, 4378..4572		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69444	Strand	-
Start	7632	End	13550
Name	OJ000251_48.0228.C30.o4.gs	Method	GENSCAN
Start	7632	End	13550
GI	none	Score	.45
Exons	7632..7778, 8929..8978, 9066..9142, 10141..10142, 10643..11196, 11935..12265, 12981..13249, 13421..13550		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69445	Strand	-
Start	18057	End	26457
Name	OJ000251_48.0228.C30.o6.gs	Method	GENSCAN
Start	18057	End	26457
GI	none	Score	.75
Exons	18057..18122, 18444..18550, 18695..18734, 18838..18974, 19015..19187, 21339..21523, 22008..22621, 25527..26457		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69445	Strand	-
Start	18057	End	26457
Name	OJ000251_48.0228.C30.o2.np	Method	AAT/NAP
Start	21933	End	25974
GI	1552379	Score	927
Exons	21933..22621, 25527..25974		
GI Descrip.	(Y08155) pectin methylesterase [Silene latifolia ssp. alba]		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69445	Strand	-
Start	18057	End	26457
Name	OJ000251_48.0228.C30.o5.gp	Method	AAT/GAP
Start	25887	End	26404
GI	none	Score	964
Exons	25887..26404		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69446	Strand	-
Start	27299	End	28329
Name	OJ000251_48.0228.C30.o5.tm	Method	TBLASTX:Maize
Start	12559	End	14871
GI	none	Score	46
Exons	12559..12618, 12658..12774, 14662..14871, 14662..14862, 14715..14867		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30

Gene No.	69446	Strand	-
Start	27299	End	28329
Name	OJ000251_48.0228.C30.o2.tm	Method	TBLASTX:Maize
Start	15097	End	15704
GI	none	Score	520
Exons	15097..15465, 15097..15465, 15099..15479, 15456..15668, 15475..15669, 15477..15668, 15491..15673, 15675..15704		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69446	Strand	-
Start	27299	End	28329
Name	OJ000251_48.0228.C30.o4.tw	Method	TBLASTX:Wheat
Start	15313	End	15461
GI	none	Score	101
Exons	15313..15459, 15314..15445, 15316..15459, 15354..15461		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69446	Strand	-
Start	27299	End	28329
Name	OJ000251_48.0228.C30.o4.ts	Method	TBLASTX:Soybean
Start	15558	End	16137
GI	none	Score	147
Exons	15558..15677, 15982..16137, 16002..16127		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69446	Strand	-
Start	27299	End	28329
Name	OJ000251_48.0228.C30.o4.tm	Method	TBLASTX:Maize
Start	15972	End	16275
GI	none	Score	257
Exons	15972..16271, 15972..16271, 15973..16275		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69446	Strand	-
Start	27299	End	28329
Name	OJ000251_48.0228.C30.o2.tw	Method	TBLASTX:Wheat
Start	15978	End	16175
GI	none	Score	314
Exons	15978..16175, 15979..16173		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69446	Strand	-
Start	27299	End	28329
Name	OJ000251_48.0228.C30.o1.tc	Method	TBLASTX:Cress
Start	16045	End	16679
GI	none	Score	88
Exons	16045..16113, 16047..16127, 16107..16517, 16108..16626, 16123..16626, 16629..16679, 16630..16671		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69446	Strand	-
Start	27299	End	28329
Name	OJ000251_48.0228.C30.o1.ts	Method	TBLASTX:Soybean
Start	16138	End	16617
GI	none	Score	789
Exons	16138..16617, 16140..16517, 16150..16617		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69446	Strand	-
Start	27299	End	28329
Name	OJ000251_48.0228.C30.o1.tm	Method	TBLASTX:Maize
Start	16279	End	17192
GI	none	Score	1150
Exons	16279..16992, 16279..16767, 16281..16934, 16989..17060, 17160..17192		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69446	Strand	-
Start	27299	End	28329
Name	OJ000251_48.0228.C30.o1.tw	Method	TBLASTX:Wheat
Start	16468	End	16860
GI	none	Score	707
Exons	16468..16860, 16468..16767, 16470..16859		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69446	Strand	-
Start	27299	End	28329
Name	OJ000251_48.0228.C30.o3.ts	Method	TBLASTX:Soybean
Start	16630	End	16896
GI	none	Score	308
Exons	16630..16818, 16632..16817, 16815..16895, 16819..16896		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69446	Strand	-
Start	27299	End	28329
Name	OJ000251_48.0228.C30.o3.tm	Method	TBLASTX:Maize
Start	21903	End	22632
GI	none	Score	87
Exons	21903..22010, 21905..22012, 21931..22008, 21936..22019, 22065..22127, 22087..22125, 22122..22361, 22122..22541, 22123..22476, 22413..22541, 22491..22631, 22549..22632		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69446	Strand	-
Start	27299	End	28329
Name	OJ000251_48.0228.C30.o2.ts	Method	TBLASTX:Soybean
Start	21945	End	25746
GI	none	Score	80
Exons	21945..21983, 22068..22202, 22087..22203, 22245..22352, 22374..22619, 22413..22622, 25570..25746, 25589..25693		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69446	Strand	-
Start	27299	End	28329
Name	OJ000251_48.0228.C30.o2.tc	Method	TBLASTX:Cress
Start	21948	End	22623
GI	none	Score	239
Exons	21948..22019, 22071..22622, 22087..22461, 22413..22622, 22534..22623		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69446	Strand	-
Start	27299	End	28329
Name	OJ000251_48.0228.C30.o3.tw	Method	TBLASTX:Wheat

Start	22129	End	22577
GI	none	Score	55
Exons	22129..22203, 22131..22202, 22248..22352, 22270..22326, 22275..22343, 22366..22476, 22368..22577, 22413..22577		

Seq. No.	33502	Seq. ID	OJ000251_48.0228.C30
Gene No.	69446	Strand	-
Start	27299	End	28329
Name	OJ000251_48.0228.C30.o7.gs	Method	GENSCAN
Start	27299	End	28329
GI	none	Score	.61
Exons	27299..27392, 27727..27811, 28245..28329		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69447	Strand	+
Start	3811	End	4124
Name	OJ000251_48.0228.C31.o2.gp	Method	AAT/GAP
Start	3811	End	4124
GI	287036	Score	528
Exons	3811..4124		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69448	Strand	+
Start	9447	End	11579
Name	OJ000251_48.0228.C31.o2.np	Method	AAT/NAP
Start	9447	End	11506
GI	3355632	Score	1262
Exons	9447..9620, 10401..10853, 10940..11506		
GI Descrip.	(AJ006957) stearoyl-acyl carrier protein desaturase [Linum usitatissimum]		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69448	Strand	+
Start	9447	End	11579
Name	OJ000251_48.0228.C31.o4.gp	Method	AAT/GAP
Start	10214	End	10681
GI	52838_1.R1084	Score	902
Exons	10214..10681		
GI Descrip.	'3355632/emb|CAA07349| 2.0e-27 (AJ006957) stearoyl-acyl carrier protein desaturase [Linum usitatissimum]'		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69448	Strand	+
Start	9447	End	11579
Name	OJ000251_48.0228.C31.o2.gs	Method	GENSCAN
Start	10278	End	11509
GI	none	Score	.99
Exons	10278..10853, 10940..11509		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69448	Strand	+
Start	9447	End	11579
Name	OJ000251_48.0228.C31.o5.gp	Method	AAT/GAP
Start	11242	End	11579
GI	487298	Score	543
Exons	11242..11579		
GI Descrip.	487298/dbj|D29997|RICEN265 0.0e+00 Rice mRNA EN26, partial		

sequence

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69449	Strand	+
Start	27781	End	32379
Name	OJ000251_48.0228.C31.o5.gs	Method	GENSCAN
Start	27781	End	32379
GI	none	Score	.56
Exons	27781..27808, 29523..29584, 30731..30790, 30901..31000, 31618..31725, 32074..32267, 32281..32379		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69450	Strand	+
Start	39961	End	43409
Name	OJ000251_48.0228.C31.o7.gs	Method	GENSCAN
Start	39961	End	43409
GI	none	Score	.79
Exons	39961..39997, 40209..40245, 40475..40642, 40679..40774, 41169..41286, 41342..41376, 41671..41950, 42199..42318, 42867..43112, 43371..43409		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69450	Strand	+
Start	39961	End	43409
Name	OJ000251_48.0228.C31.o7.np	Method	AAT/NAP
Start	40662	End	43049
GI	3513744	Score	306
Exons	40662..40774, 41671..41956, 42161..42318, 42867..43049		
GI Descrip.	(AF080118) contains similarity to Medicago truncatula MtN3 (GB:Y08726) [Arabidopsis thaliana]		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69450	Strand	+
Start	39961	End	43409
Name	OJ000251_48.0228.C31.o6.gp	Method	AAT/GAP
Start	41930	End	43003
GI	12151_2.R1084	Score	1782
Exons	41930..41982, 42112..43003		
GI Descrip.	'487298/dbj|D29997|RICEN265 0.0e+00 Rice mRNA EN26, partial sequence'		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69451	Strand	+
Start	43766	End	47192
Name	OJ000251_48.0228.C31.o8.gs	Method	GENSCAN
Start	43766	End	47192
GI	none	Score	.51
Exons	43766..43969, 44065..44170, 44490..44701, 44804..45010, 45825..47192		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69452	Strand	+
Start	47129	End	47526
Name	OJ000251_48.0228.C31.o8.gp	Method	AAT/GAP
Start	47129	End	47526
GI	none	Score	616
Exons	47129..47526		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69453	Strand	-
Start	140	End	25889
Name	OJ000251_48.0228.C31.o1.np	Method	AAT/NAP
Start	140	End	3688
GI	6862912	Score	658
Exons	140..218, 326..584, 731..918, 1604..2181, 3669..3688		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69453	Strand	-
Start	140	End	25889
Name	OJ000251_48.0228.C31.o1.gp	Method	AAT/GAP
Start	371	End	1653
GI	uC-osf1M202123g02b1	Score	794
Exons	371..586, 760..918, 1604..1653		
GI Descrip.	'6094303/sp|P56707|SMTA_ASTBI 1.0e-22 SELENOCYSTEINE METHYLTRANSFERASE (SECYS-METHYLTRANSFERASE) (SECYS-MT) >gi_4006848_emb_CAA10368_ (AJ131433) selenocysteine methyltransferase [Astragalus bisulcatus]'		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69453	Strand	-
Start	140	End	25889
Name	OJ000251_48.0228.C31.o1.gs	Method	GENSCAN
Start	414	End	10095
GI	none	Score	.52
Exons	414..586, 760..918, 1604..2566, 2699..2824, 3015..3102, 3198..3261, 3546..3571, 3784..3892, 4037..4320, 4766..5111, 5849..5932, 5975..6166, 6757..6844, 9744..9930, 10074..10095		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69453	Strand	-
Start	140	End	25889
Name	OJ000251_48.0228.C31.o4.np	Method	AAT/NAP
Start	9101	End	24614
GI	4733988	Score	534
Exons	9101..9128, 15050..15206, 15293..15320, 15448..15568, 15704..15816, 15922..16017, 16370..16414, 16587..16752, 16909..17078, 17599..17687, 17802..17994, 18153..18277, 18567..18650, 24575..24614		
GI Descrip.	(AC007209) putative chromodomain-helicase-DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69453	Strand	-
Start	140	End	25889
Name	OJ000251_48.0228.C31.o3.np	Method	AAT/NAP
Start	12475	End	13920
GI	3582328	Score	676
Exons	12475..13920		
GI Descrip.	(AC005496) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69453	Strand	-
Start	140	End	25889

Name	OJ000251_48.0228.C31.o4.gs	Method	GENSCAN
Start	14569	End	25889
GI	none	Score	.72
Exons	14569..15206, 15293..15320, 15922..16004, 16598..16752, 16909..17078, 17599..17687, 17802..17994, 18153..18277, 18567..18849, 20041..20190, 20864..20940, 21369..21470, 21760..21912, 22165..22269, 22365..22475, 22862..22911, 22946..23338, 24328..25889		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69453	Strand	-
Start	140	End	25889
Name	OJ000251_48.0228.C31.o5.np	Method	AAT/NAP
Start	23303	End	25889
GI	4587573	Score	755
Exons	23303..23467, 24873..25889		
GI Descrip.	(AC006550) Similar to clathrin assembly protein gb|AF041374 (CALM) from Rattus norvegicus. [Arabidopsis thaliana]		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69454	Strand	-
Start	36354	End	44132
Name	OJ000251_48.0228.C31.o8.np	Method	AAT/NAP
Start	36354	End	44132
GI	3980411	Score	61
Exons	36354..36447, 42933..43074, 44015..44132		
GI Descrip.	(AC004561) putative proline-rich protein [Arabidopsis thaliana]		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69454	Strand	-
Start	36354	End	44132
Name	OJ000251_48.0228.C31.o6.np	Method	AAT/NAP
Start	37045	End	37929
GI	5803270	Score	397
Exons	37045..37146, 37551..37694, 37768..37929		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69454	Strand	-
Start	36354	End	44132
Name	OJ000251_48.0228.C31.o7.gp	Method	AAT/GAP
Start	43152	End	43333
GI	2280887	Score	307
Exons	43152..43333		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o10.tm	Method	TBLASTX:Maize
Start	303	End	433
GI	none	Score	110
Exons	303..431, 306..431, 307..432, 308..433		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o8.tc	Method	TBLASTX:Cress

Start	314	End	582
GI	none	Score	138
Exons	314..568, 319..582		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o6.ts	Method	TBLASTX:Soybean
Start	316	End	1656
GI	none	Score	102
Exons	316..591, 320..493, 337..588, 760..930, 762..929, 1603..1656		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o8.tm	Method	TBLASTX:Maize
Start	433	End	929
GI	none	Score	159
Exons	433..588, 433..591, 435..596, 660..674, 760..921, 760..924, 761..922, 761..928, 762..929		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o5.tc	Method	TBLASTX:Cress
Start	789	End	2157
GI	none	Score	120
Exons	789..911, 1624..1731, 1858..2157, 1865..2149		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o6.tm	Method	TBLASTX:Maize
Start	1600	End	1854
GI	none	Score	153
Exons	1600..1785, 1604..1849, 1604..1810, 1606..1854		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o5.tw	Method	TBLASTX:Wheat
Start	1627	End	2037
GI	none	Score	92
Exons	1627..1671, 1747..1809, 1843..2037, 1891..2037		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o3.ts	Method	TBLASTX:Soybean
Start	1777	End	2169
GI	none	Score	325
Exons	1777..2169, 1805..2152		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o9.tm	Method	TBLASTX:Maize

Start	1891	End	2163
GI	none	Score	129
Exons	1891..2163, 1895..2158		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o1.tc	Method	TBLASTX:Cress
Start	10409	End	11401
GI	none	Score	611
Exons	10409..10855, 10410..10853, 10922..11347, 10939..11334, 11351..11401		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o1.tm	Method	TBLASTX:Maize
Start	10410	End	11500
GI	none	Score	598
Exons	10410..10853, 10412..10855, 10922..11347, 10939..11334, 11351..11401, 11468..11500		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o1.ts	Method	TBLASTX:Soybean
Start	10410	End	11497
GI	none	Score	54
Exons	10410..10457, 10440..10853, 10445..10855, 10922..11347, 10939..11334, 11351..11401, 11468..11497		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o2.tw	Method	TBLASTX:Wheat
Start	11048	End	11401
GI	none	Score	345
Exons	11048..11347, 11048..11197, 11050..11334, 11351..11401		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o5.tm	Method	TBLASTX:Maize
Start	12509	End	13927
GI	none	Score	91
Exons	12509..12640, 12689..12865, 12690..12914, 12767..12973, 12875..13267, 12876..13202, 12926..13276, 12977..13363, 13001..13138, 13169..13447, 13214..13396, 13277..13447, 13451..13552, 13565..13768, 13565..13726, 13658..13927, 13658..13918, 13691..13891		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o9.tc	Method	TBLASTX:Cress
Start	12515	End	12847
GI	none	Score	55

Exons	12515..12640, 12516..12620, 12695..12847, 12696..12842		
Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o5.ts	Method	TBLASTX:Soybean
Start	12743	End	13783
GI	none	Score	127
Exons	12743..13105, 12789..13082, 13181..13399, 13658..13783		
Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o1.tw	Method	TBLASTX:Wheat
Start	12869	End	13918
GI	none	Score	404
Exons	12869..13120, 13037..13420, 13038..13424, 13038..13421, 13340..13459, 13382..13516, 13433..13525, 13483..13551, 13565..13708, 13658..13801, 13718..13918, 13758..13829, 13759..13833		
Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o3.tc	Method	TBLASTX:Cress
Start	12875	End	13927
GI	none	Score	72
Exons	12875..12961, 12974..13516, 12975..13133, 12977..13282, 12986..13195, 13169..13267, 13245..13424, 13250..13393, 13280..13456, 13367..13552, 13373..13534, 13466..13555, 13559..13726, 13565..13918, 13640..13927		
Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o7.tm	Method	TBLASTX:Maize
Start	24342	End	25826
GI	none	Score	92
Exons	24342..24479, 24373..24471, 24879..25253, 24925..25233, 25419..25478, 25485..25622, 25518..25745, 25695..25745, 25752..25826		
Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o7.ts	Method	TBLASTX:Soybean
Start	24342	End	25148
GI	none	Score	76
Exons	24342..24479, 24376..24474, 24879..25148		
Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o7.tc	Method	TBLASTX:Cress
Start	24879	End	25253
GI	none	Score	284
Exons	24879..25253		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o4.tm	Method	TBLASTX:Maize
Start	39957	End	42941
GI	none	Score	78
Exons	39957..39998, 39958..40014, 40655..40777, 40679..40768, 40680..40775, 40680..40778, 41666..41776, 41671..41778, 41672..41776, 41753..41950, 41785..41949, 42193..42321, 42198..42380, 42866..42940, 42867..42941		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o4.ts	Method	TBLASTX:Soybean
Start	40676	End	41950
GI	none	Score	137
Exons	40676..40777, 40680..40775, 41671..41949, 41672..41950		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o4.tc	Method	TBLASTX:Cress
Start	40677	End	41947
GI	none	Score	140
Exons	40677..40775, 40682..40777, 41666..41770, 41671..41946, 41672..41947		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o10.tc	Method	TBLASTX:Cress
Start	42193	End	42941
GI	none	Score	192
Exons	42193..42321, 42198..42317, 42861..42941		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o4.tw	Method	TBLASTX:Wheat
Start	43762	End	44172
GI	none	Score	152
Exons	43762..43881, 43763..43882, 43919..43975, 44062..44112, 44064..44111, 44115..44171, 44116..44172		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o3.tm	Method	TBLASTX:Maize
Start	44527	End	45013
GI	none	Score	268
Exons	44527..44703, 44528..44704, 44542..44721, 44801..44932, 44801..44926, 44802..44930, 44935..45006, 44935..45003, 44942..45013		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31

Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o9.gp	Method	AAT/GAP
Start	47621	End	48347
GI	92707_1.R1084	Score	1153
Exons	47621..48091, 48208..48347		
GI Descrip.	'4580513/gb|AAD24403.1|AF036300_1 2.0e-39 (AF036300) scarecrow-like 1 [Arabidopsis thaliana]'		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o8.ts	Method	TBLASTX:Soybean
Start	47884	End	48078
GI	none	Score	61
Exons	47884..47997, 47896..47991, 47992..48078, 48002..48076		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o6.tc	Method	TBLASTX:Cress
Start	47893	End	48750
GI	none	Score	76
Exons	47893..48093, 47966..48088, 48207..48371, 48213..48365, 48529..48750, 48533..48742		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o9.np	Method	AAT/NAP
Start	47896	End	49557
GI	6644390	Score	1304
Exons	47896..48091, 48208..48363, 48536..49557		
GI Descrip.	(AF210731) scarecrow-like 1 [Arabidopsis thaliana]		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o9.gs	Method	GENSCAN
Start	48070	End	49842
GI	none	Score	.96
Exons	48070..48091, 48208..48363, 48536..49842		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o2.tm	Method	TBLASTX:Maize
Start	48202	End	49330
GI	none	Score	121
Exons	48202..48285, 48204..48365, 48206..48370, 48207..48365, 48533..49330, 48534..49328, 48535..49329		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o2.ts	Method	TBLASTX:Soybean
Start	48252	End	49182

GI	none	Score	518
Exons	48252..48308, 48309..48365, 48529..49182, 48530..49180		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o3.tw	Method	TBLASTX:Wheat
Start	48535	End	48921
GI	none	Score	137
Exons	48535..48921, 48545..48793		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o2.tc	Method	TBLASTX:Cress
Start	48757	End	49233
GI	none	Score	53
Exons	48757..48864, 48761..48835, 48850..48873, 48916..49062, 48920..49060, 49022..49231, 49060..49233		

Seq. No.	33503	Seq. ID	OJ000251_48.0228.C31
Gene No.	69455	Strand	-
Start	47621	End	49842
Name	OJ000251_48.0228.C31.o10.gp	Method	AAT/GAP
Start	49040	End	49678
GI	none	Score	1160
Exons	49040..49678		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69456	Strand	+
Start	3843	End	4221
Name	OJ000251_48.0228.C33.o1.np	Method	AAT/NAP
Start	3843	End	4221
GI	224159	Score	588
Exons	3843..4221		
GI Descrip.	cytochrome b559 [Spinacia oleracea]		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69457	Strand	+
Start	4247	End	4360
Name	OJ000251_48.0228.C33.o2.np	Method	AAT/NAP
Start	4247	End	4360
GI	131368	Score	198
Exons	4247..4360		
GI Descrip.	PHOTOSYSTEM II REACTION CENTER L PROTEIN (PSII 5 KD PROTEIN) gi|72696|pir||F2RZL photosystem II protein psbL - rice chloroplast gi|72697|pir||F2WTL photosystem II protein psbL - wheat chloroplast gi|82447|pir||S04064 photosystem II protein psbL - barley chloroplast gi|82559|pir||S03193 photosystem II protein psbL - rye chloroplast gi|483158|pir||C48310 photosystem I		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69458	Strand	+
Start	4490	End	4609
Name	OJ000251_48.0228.C33.o3.np	Method	AAT/NAP
Start	4490	End	4609

GI	131350	Score	204
Exons	4490..4609		
GI Descrip.	PHOTOSYSTEM II REACTION CENTER J PROTEIN gi|72721|pir||F2RZJ photosystem II protein psbJ - rice chloroplast gi|12001|emb|CAA33962| (X15901) ORF40; pot. PSII component. [Oryza sativa] gi|226622|prf||1603356AV photosystem II component [Oryza sativa]		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69459	Strand	+
Start	21961	End	22143
Name	OJ000251_48.0228.C33.o4.gs	Method	GENSCAN
Start	21961	End	22143
GI	none	Score	.74
Exons	21961..22143		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69460	Strand	+
Start	24531	End	24878
Name	OJ000251_48.0228.C33.o5.gs	Method	GENSCAN
Start	24531	End	24878
GI	none	Score	.97
Exons	24531..24659, 24735..24878		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69461	Strand	+
Start	27246	End	31591
Name	OJ000251_48.0228.C33.o9.np	Method	AAT/NAP
Start	27246	End	30258
GI	4680186	Score	375
Exons	27246..27273, 29338..29494, 30100..30258		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69461	Strand	+
Start	27246	End	31591
Name	OJ000251_48.0228.C33.o8.np	Method	AAT/NAP
Start	28755	End	31591
GI	6503190	Score	105
Exons	28755..28874, 31560..31591		
GI Descrip.	(AF200688) tyrosine kinase ZAK1 [Dictyostelium discoideum]		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69462	Strand	+
Start	34393	End	37710
Name	OJ000251_48.0228.C33.o10.np	Method	AAT/NAP
Start	34393	End	37710
GI	5916446	Score	654
Exons	34393..34546, 35217..35273, 35359..35462, 35577..35716, 35951..36200, 37676..37710		
GI Descrip.	(AC007633) similarity to several hypothetical proteins-Arabidopsis thaliana		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69462	Strand	+
Start	34393	End	37710
Name	OJ000251_48.0228.C33.o7.gs	Method	GENSCAN

Start	34744	End	36970
GI	none	Score	.68
Exons	34744..34813, 35217..35273, 35359..35449, 35549..35709, 35795..35922, 36041..36178, 36467..36559, 36947..36970		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69463	Strand	-
Start	5616	End	6632
Name	OJ000251_48.0228.C33.o4.np	Method	AAT/NAP
Start	5616	End	6575
GI	118048	Score	1643
Exons	5616..6575		
GI Descrip.	APOCYTOCHROME F PRECURSOR gi|65615|pir||CFRZ plastoquinol--plastocyanin reductase (EC 1.10.99.1) cytochrome f precursor - rice chloroplast gi|12000|emb|CAA33961| (X15901) cytochrome f [Oryza sativa] gi|226621|prf||1603356AU cytochrome f [Oryza sativa]		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69463	Strand	-
Start	5616	End	6632
Name	OJ000251_48.0228.C33.o1.gp	Method	AAT/GAP
Start	6191	End	6632
GI	uC-osf1M202092b08b1	Score	831
Exons	6191..6632		
GI Descrip.	'118048/sp|P07888|CYF_ORYSA 5.0e-65 APOCYTOCHROME F PRECURSOR >gi_65615_pir__CFRZ plastoquinol--plastocyanin reductase (EC 1.10.99.1) cytochrome f precursor - rice chloroplast >gi_12000_emb_CAA33961_ (X15901) cytochrome f [Oryza sativa] >gi_226621_prf__1603356AU cytochrome f [Oryza sativa]'		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69464	Strand	-
Start	6808	End	8500
Name	OJ000251_48.0228.C33.o5.np	Method	AAT/NAP
Start	6808	End	8500
GI	122779	Score	730
Exons	6808..7236, 8457..8500		
GI Descrip.	POTENTIAL HEME-BINDING PROTEIN (ORF 230) gi|82542|pir||S05118 hypothetical protein 230 - rice chloroplast gi|11999|emb|CAA33960| (X15901) ORF230 [Oryza sativa] gi|226620|prf||1603356AT ORF 230 [Oryza sativa]		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69465	Strand	-
Start	9065	End	21306
Name	OJ000251_48.0228.C33.o2.gp	Method	AAT/GAP
Start	9065	End	13029
GI	25929_1.R1084	Score	2840
Exons	9065..9653, 10061..10202, 10268..10616, 11599..11903, 12923..13029		
GI Descrip.	'2829911 1.0e-108 (AC002291) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69465	Strand	-
Start	9065	End	21306

Name	OJ000251_48.0228.C33.o3.gs	Method	GENSCAN
Start	9265	End	21306
GI	none	Score	.53
Exons	9265..9653, 10061..10202, 10268..10573, 10736..10850, 11599..11740, 11789..11903, 12536..12647, 12923..13283, 15521..15563, 17035..17184, 17321..17457, 17964..18174, 18784..19006, 19177..19274, 19477..19613, 20503..21036, 21069..21306		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69465	Strand	-
Start	9065	End	21306
Name	OJ000251_48.0228.C33.o6.np	Method	AAT/NAP
Start	9268	End	11819
GI	2829911	Score	1001
Exons	9268..9653, 10061..10202, 10268..10616, 11599..11819		
GI Descrip.	(AC002291) Unknown protein [Arabidopsis thaliana]		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69466	Strand	-
Start	25246	End	34496
Name	OJ000251_48.0228.C33.o6.gs	Method	GENSCAN
Start	25246	End	34496
GI	none	Score	.41
Exons	25246..25275, 25381..25438, 25892..26151, 26384..26503, 26508..26782, 26955..26972, 27089..27291, 28347..28445, 30832..30931, 32139..32384, 33745..33800, 34107..34215, 34220..34298, 34314..34496		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69466	Strand	-
Start	25246	End	34496
Name	OJ000251_48.0228.C33.o7.np	Method	AAT/NAP
Start	25680	End	28474
GI	5734714	Score	582
Exons	25680..25825, 25896..26151, 26258..26456, 28267..28474		
GI Descrip.	(AC008075) Identical to gb|AF111711 transcription factor PERIANTHIA from Arabidopsis thaliana.		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69466	Strand	-
Start	25246	End	34496
Name	OJ000251_48.0228.C33.o3.gp	Method	AAT/GAP
Start	28755	End	29276
GI	5867_1.R1084	Score	138
Exons	28755..28838, 29251..29276		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69466	Strand	-
Start	25246	End	34496

Name	OJ000251_48.0228.C33.o4.gp	Method	AAT/GAP
Start	29644	End	30071
GI	4878407	Score	631
Exons	29644..30071		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o4.tw	Method	TBLASTX:Wheat
Start	3678	End	3859
GI	none	Score	227
Exons	3678..3827, 3678..3827, 3785..3859, 3808..3858, 3809..3859		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o2.tc	Method	TBLASTX:Cress
Start	3714	End	4292
GI	none	Score	59
Exons	3714..3785, 3719..3781, 3788..3817, 3789..3821, 3816..4097, 3821..4102, 3825..4097, 3833..4099, 4103..4231, 4104..4232, 4104..4232, 4105..4233, 4234..4290, 4235..4291, 4235..4291, 4239..4292		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o9.tm	Method	TBLASTX:Maize
Start	3720	End	3872
GI	none	Score	79
Exons	3720..3761, 3720..3764, 3721..3768, 3764..3817, 3764..3817, 3765..3824, 3803..3871, 3811..3870, 3819..3872, 3825..3872		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o1.tw	Method	TBLASTX:Wheat
Start	3937	End	4379
GI	none	Score	640
Exons	3937..4377, 3939..4379, 3953..4378		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o4.tm	Method	TBLASTX:Maize
Start	4331	End	4614
GI	none	Score	110
Exons	4331..4399, 4332..4397, 4333..4398, 4360..4614, 4399..4614		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o6.tc	Method	TBLASTX:Cress
Start	4331	End	4668
GI	none	Score	68

Exons	4331..4384, 4333..4383, 4423..4665, 4423..4668		
Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o3.tw	Method	TBLASTX:Wheat
Start	5487	End	5814
GI	none	Score	473
Exons	5487..5807, 5487..5807, 5488..5808, 5551..5814		
Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o1.ts	Method	TBLASTX:Soybean
Start	5592	End	7128
GI	none	Score	1230
Exons	5592..6575, 5593..6576, 6373..6582, 6803..7108, 6811..7128		
Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o1.tc	Method	TBLASTX:Cress
Start	5630	End	6898
GI	none	Score	70
Exons	5630..5683, 5634..5690, 5634..5690, 5787..6575, 5796..6596, 6373..6582, 6818..6898, 6826..6897		
Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o7.tw	Method	TBLASTX:Wheat
Start	5933	End	6049
GI	none	Score	187
Exons	5933..6049, 5934..6047		
Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o8.tm	Method	TBLASTX:Maize
Start	6107	End	6274
GI	none	Score	284
Exons	6107..6274, 6108..6272		
Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o1.tm	Method	TBLASTX:Maize
Start	6275	End	6755
GI	none	Score	640
Exons	6275..6715, 6276..6719, 6373..6720, 6709..6753, 6717..6755, 6719..6754		
Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o2.tw	Method	TBLASTX:Wheat
Start	6381	End	6807

GI	none	Score	195
Exons	6381..6506, 6382..6501, 6384..6503, 6508..6609, 6508..6696, 6509..6721, 6510..6701, 6539..6703, 6636..6761, 6657..6776, 6706..6777, 6716..6793, 6745..6777, 6767..6805, 6771..6806, 6781..6807		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o7.tc	Method	TBLASTX:Cress
Start	6899	End	7116
GI	none	Score	155
Exons	6899..7114, 6901..7116		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o2.tm	Method	TBLASTX:Maize
Start	9265	End	10426
GI	none	Score	260
Exons	9265..9471, 9269..9463, 9363..9470, 9511..9552, 9533..9658, 9541..9660, 10072..10167, 10080..10169, 10113..10202, 10337..10426		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o3.tc	Method	TBLASTX:Cress
Start	9301	End	10202
GI	none	Score	111
Exons	9301..9471, 9320..9463, 9553..9651, 9554..9652, 10116..10202		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o3.ts	Method	TBLASTX:Soybean
Start	9301	End	11738
GI	none	Score	195
Exons	9301..9471, 9302..9463, 9523..9654, 9524..9655, 9553..9654, 9556..9657, 10056..10205, 10056..10208, 10057..10188, 10058..10189, 10062..10214, 10062..10199, 10063..10206, 10071..10199, 10116..10202, 10243..10404, 10266..10604, 10267..10605, 10268..10615, 10274..10618, 10340..10426, 10456..10617, 11598..11687, 11670..11738		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o7.tm	Method	TBLASTX:Maize
Start	10206	End	11862
GI	none	Score	65
Exons	10206..10304, 10245..10334, 10258..10335, 10427..10618, 10484..10615, 11596..11739, 11596..11859, 11598..11861, 11609..11740, 11709..11858, 11797..11862		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-

Start	36350	End	36565
Name	OJ000251_48.0228.C33.o3.tm	Method	TBLASTX:Maize
Start	17585	End	18294
GI	none	Score	38
Exons	17585..17611, 17712..17858, 17713..17853, 17724..17858, 17951..18241, 17962..18294		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o4.ts	Method	TBLASTX:Soybean
Start	17727	End	18274
GI	none	Score	143
Exons	17727..17774, 17784..17858, 17965..18273, 17978..18274		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o5.tc	Method	TBLASTX:Cress
Start	17778	End	18261
GI	none	Score	134
Exons	17778..17873, 17959..18261, 17987..18235		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o5.tw	Method	TBLASTX:Wheat
Start	17784	End	18205
GI	none	Score	120
Exons	17784..17861, 17950..18204, 17960..18205		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o8.tc	Method	TBLASTX:Cress
Start	22036	End	24893
GI	none	Score	97
Exons	22036..22128, 24525..24650, 24533..24652, 24723..24893, 24734..24859		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o2.ts	Method	TBLASTX:Soybean
Start	25680	End	26455
GI	none	Score	143
Exons	25680..25823, 25681..25833, 25882..25968, 25901..25966, 26014..26157, 26015..26152, 26253..26351, 26255..26455		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o4.tc	Method	TBLASTX:Cress
Start	25680	End	26455
GI	none	Score	129
Exons	25680..25823, 25681..25827, 25882..26079, 25910..25966, 26014..26157, 26018..26152, 26253..26351, 26255..26455		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o6.tm	Method	TBLASTX:Maize
Start	25680	End	26461
GI	none	Score	83
Exons	25680..25835, 25740..25835, 25939..26157, 26018..26140, 26258..26461, 26259..26384		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o8.tw	Method	TBLASTX:Wheat
Start	26279	End	26455
GI	none	Score	67
Exons	26279..26455, 26280..26351		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o5.tm	Method	TBLASTX:Maize
Start	34416	End	36565
GI	none	Score	98
Exons	34416..34487, 34417..34488, 34494..34550, 35213..35272, 35219..35272, 35230..35277, 35358..35462, 35358..35447, 35360..35461, 35546..35707, 35546..35707, 35547..35708, 35550..35726, 35793..35924, 35794..35892, 35856..35924, 36040..36177, 36041..36178, 36041..36178, 36466..36564, 36473..36565		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o6.tw	Method	TBLASTX:Wheat
Start	35357	End	36094
GI	none	Score	70
Exons	35357..35470, 35358..35447, 35547..35711, 35552..35710, 35808..35924, 36041..36094		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o5.ts	Method	TBLASTX:Soybean
Start	35544	End	36106
GI	none	Score	222
Exons	35544..35720, 35546..35710, 35547..35717, 35797..35892, 36040..36096, 36041..36106		

Seq. No.	33504	Seq. ID	OJ000251_48.0228.C33
Gene No.	69467	Strand	-
Start	36350	End	36565
Name	OJ000251_48.0228.C33.o5.gp	Method	AAT/GAP
Start	36350	End	36560
GI	36879_1.R1084	Score	148
Exons	36350..36384, 36465..36560		
GI Descrip.	'4490325/emb|CAB38607.1| 7.0e-24 (AL035656) hypothetical protein		

[Arabidopsis thaliana]'

Seq. No.	33505	Seq. ID	OJ000251_48.0228.C35
Gene No.	69468	Strand	-
Start	1	End	602
Name	OJ000251_48.0228.C35.o1.np	Method	AAT/NAP
Start	1	End	602
GI	6721519	Score	56
Exons	1..69, 358..602		
GI Descrip.	(AP001072) EST AU082116(E4026) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33506	Seq. ID	OJ000251_48.0228.C36
Gene No.	69469	Strand	-
Start	1	End	486
Name	OJ000251_48.0228.C36.o1.gp	Method	AAT/GAP
Start	1	End	429
GI	11111_1.R1084	Score	781
Exons	1..429		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007__(X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	33506	Seq. ID	OJ000251_48.0228.C36
Gene No.	69469	Strand	-
Start	1	End	486
Name	OJ000251_48.0228.C36.o1.np	Method	AAT/NAP
Start	1	End	411
GI	6554485	Score	452
Exons	1..411		
GI Descrip.	(AC012394) unknown protein [Arabidopsis thaliana] gi|6573714|gb|AAF17634.1|AC009978_10 (AC009978) T23E18.26 [Arabidopsis thaliana]		

Seq. No.	33506	Seq. ID	OJ000251_48.0228.C36
Gene No.	69469	Strand	-
Start	1	End	486
Name	OJ000251_48.0228.C36.o1.tm	Method	TBLASTX:Maize
Start	3	End	486
GI	none	Score	94
Exons	3..68, 4..69, 7..69, 68..421, 70..423, 208..486		

Seq. No.	33506	Seq. ID	OJ000251_48.0228.C36
Gene No.	69469	Strand	-
Start	1	End	486
Name	OJ000251_48.0228.C36.o1.ts	Method	TBLASTX:Soybean
Start	3	End	354
GI	none	Score	63
Exons	3..68, 7..57, 70..354, 71..301		

Seq. No.	33506	Seq. ID	OJ000251_48.0228.C36
Gene No.	69469	Strand	-
Start	1	End	486

Name	OJ000251_48.0228.C36.o1.gs	Method	GENSCAN
Start	61	End	420
GI	none	Score	.54
Exons	61..420		

Seq. No.	33507	Seq. ID	OJ000251_48.0228.C37
Gene No.	69470	Strand	-
Start	1	End	685
Name	OJ000251_48.0228.C37.o1.np	Method	AAT/NAP
Start	1	End	685
GI	4680209	Score	286
Exons	1..24, 113..466, 530..685		
GI Descrip.	(AF114171) unknown [Sorghum bicolor]		

Seq. No.	33507	Seq. ID	OJ000251_48.0228.C37
Gene No.	69470	Strand	-
Start	1	End	685
Name	OJ000251_48.0228.C37.o1.gs	Method	GENSCAN
Start	113	End	641
GI	none	Score	.46
Exons	113..641		

Seq. No.	33508	Seq. ID	OJ000251_48.0228.C38
Gene No.	69471	Strand	+
Start	77	End	505
Name	OJ000251_48.0228.C38.o1.gs	Method	GENSCAN
Start	77	End	505
GI	none	Score	.43
Exons	77..505		

Seq. No.	33509	Seq. ID	OJ000251_48.0228.C39
Gene No.	69472	Strand	+
Start	773	End	1159
Name	OJ000251_48.0228.C39.o1.gs	Method	GENSCAN
Start	773	End	1159
GI	none	Score	.69
Exons	773..1159		

Seq. No.	33509	Seq. ID	OJ000251_48.0228.C39
Gene No.	69472	Strand	+
Start	773	End	1159
Name	OJ000251_48.0228.C39.o1.gp	Method	AAT/GAP
Start	781	End	1064
GI	none	Score	476
Exons	781..1064		

Seq. No.	33510	Seq. ID	OJ000251_48.0228.C41
Gene No.	69473	Strand	+
Start	1	End	4797
Name	OJ000251_48.0228.C41.o1.np	Method	AAT/NAP
Start	1	End	3550
GI	322759	Score	92
Exons	1..172, 3312..3550		
GI Descrip.	pistil extensin-like protein (clone pMG14) - common tobacco (fragment) gi|19927|emb|CAA78393| (Z14015) pistil extensin like protein [Nicotiana tabacum]		

Seq. No.	33510	Seq. ID	OJ000251_48.0228.C41
Gene No.	69473	Strand	+
Start	1	End	4797
Name	OJ000251_48.0228.C41.o1.gs	Method	GENSCAN
Start	124	End	4797
GI	none	Score	.54
Exons	124..199, 916..985, 2049..2154, 3359..3583, 4188..4604, 4687..4797		

Seq. No.	33511	Seq. ID	OJ000251_48.0228.C42
Gene No.	69474	Strand	+
Start	1	End	4492
Name	OJ000251_48.0228.C42.o1.np	Method	AAT/NAP
Start	1	End	4492
GI	5295955	Score	299
Exons	1..27, 2668..2788, 3329..3442, 4128..4492		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	33511	Seq. ID	OJ000251_48.0228.C42
Gene No.	69475	Strand	-
Start	4280	End	4428
Name	OJ000251_48.0228.C42.o2.gs	Method	GENSCAN
Start	4280	End	4428
GI	none	Score	.95
Exons	4280..4428		

Seq. No.	33512	Seq. ID	OJ000251_48.0228.C43
Gene No.	69476	Strand	-
Start	703	End	866
Name	OJ000251_48.0228.C43.o1.gs	Method	GENSCAN
Start	703	End	866
GI	none	Score	.44
Exons	703..866		

Seq. No.	33513	Seq. ID	OJ000251_48.0228.C44
Gene No.	69477	Strand	-
Start	996	End	5580
Name	OJ000251_48.0228.C44.o1.gs	Method	GENSCAN
Start	996	End	5448
GI	none	Score	.51
Exons	996..1070, 1743..1941, 2609..2682, 2765..2914, 3000..3155, 4649..4798, 5212..5448		

Seq. No.	33513	Seq. ID	OJ000251_48.0228.C44
Gene No.	69477	Strand	-
Start	996	End	5580
Name	OJ000251_48.0228.C44.o1.np	Method	AAT/NAP
Start	1679	End	5580
GI	6692731	Score	1387
Exons	1679..1935, 2284..2417, 2609..2682, 2765..2902, 3000..3155, 4649..4798, 5040..5099, 5212..5580		
GI Descrip.	(AC012679) putative MAP kinase [Arabidopsis thaliana]		

Seq. No.	33513	Seq. ID	OJ000251_48.0228.C44
Gene No.	69477	Strand	-
Start	996	End	5580

Name	OJ000251_48.0228.C44.o1.tm	Method	TBLASTX:Maize
Start	2315	End	5580
GI	none	Score	84
Exons	2315..2440, 2319..2420, 2611..2694, 2759..2905, 3000..3155, 3000..3155, 3001..3156, 4646..4807, 4650..4808, 5044..5109, 5055..5099, 5210..5530, 5212..5580, 5437..5565		

Seq. No.	33513	Seq. ID	OJ000251_48.0228.C44
Gene No.	69477	Strand	-
Start	996	End	5580
Name	OJ000251_48.0228.C44.o3.tc	Method	TBLASTX:Cress
Start	2315	End	2902
GI	none	Score	187
Exons	2315..2431, 2611..2694, 2759..2902		

Seq. No.	33513	Seq. ID	OJ000251_48.0228.C44
Gene No.	69477	Strand	-
Start	996	End	5580
Name	OJ000251_48.0228.C44.o2.ts	Method	TBLASTX:Soybean
Start	2315	End	4811
GI	none	Score	133
Exons	2315..2347, 2360..2419, 2611..2682, 2759..2905, 3000..3155, 3001..3153, 4645..4788, 4646..4807, 4647..4799, 4647..4811		

Seq. No.	33513	Seq. ID	OJ000251_48.0228.C44
Gene No.	69477	Strand	-
Start	996	End	5580
Name	OJ000251_48.0228.C44.o4.tc	Method	TBLASTX:Cress
Start	3001	End	3156
GI	none	Score	128
Exons	3001..3156, 3006..3155		

Seq. No.	33513	Seq. ID	OJ000251_48.0228.C44
Gene No.	69477	Strand	-
Start	996	End	5580
Name	OJ000251_48.0228.C44.o2.tc	Method	TBLASTX:Cress
Start	4634	End	5100
GI	none	Score	160
Exons	4634..4807, 4635..4796, 4647..4811, 4887..4910, 5044..5100, 5055..5099		

Seq. No.	33513	Seq. ID	OJ000251_48.0228.C44
Gene No.	69477	Strand	-
Start	996	End	5580
Name	OJ000251_48.0228.C44.o1.ts	Method	TBLASTX:Soybean
Start	5047	End	5580
GI	none	Score	74
Exons	5047..5100, 5055..5099, 5210..5530, 5212..5580, 5437..5580		

Seq. No.	33513	Seq. ID	OJ000251_48.0228.C44
Gene No.	69477	Strand	-
Start	996	End	5580
Name	OJ000251_48.0228.C44.o1.tw	Method	TBLASTX:Wheat
Start	5218	End	5562
GI	none	Score	119
Exons	5218..5343, 5219..5344, 5335..5532, 5348..5530, 5414..5560, 5437..5562		

Seq. No.	33513	Seq. ID	OJ000251_48.0228.C44
Gene No.	69477	Strand	-
Start	996	End	5580
Name	OJ000251_48.0228.C44.o1.tc	Method	TBLASTX:Cress
Start	5222	End	5580
GI	none	Score	193
Exons	5222..5428, 5224..5580, 5489..5533		

Seq. No.	33513	Seq. ID	OJ000251_48.0228.C44
Gene No.	69477	Strand	-
Start	996	End	5580
Name	OJ000251_48.0228.C44.o1.gp	Method	AAT/GAP
Start	5350	End	5580
GI	uC-osflm202112e03b1	Score	437
Exons	5350..5580		
GI Descrip.	'2104949 4.0e-53 (U96716) MAP kinase-like protein [Selaginella lepidophylla]'		

Seq. No.	33514	Seq. ID	OJ000251_48.0228.C45
Gene No.	69478	Strand	+
Start	70	End	576
Name	OJ000251_48.0228.C45.o1.gs	Method	GENSCAN
Start	70	End	576
GI	none	Score	.94
Exons	70..576		

Seq. No.	33515	Seq. ID	OJ000251_48.0228.C46
Gene No.	69479	Strand	+
Start	360	End	2309
Name	OJ000251_48.0228.C46.o1.gp	Method	AAT/GAP
Start	360	End	2309
GI	none	Score	1397
Exons	360..690, 1892..2309		

Seq. No.	33515	Seq. ID	OJ000251_48.0228.C46
Gene No.	69479	Strand	+
Start	360	End	2309
Name	OJ000251_48.0228.C46.o1.gs	Method	GENSCAN
Start	427	End	2164
GI	none	Score	.46
Exons	427..690, 1974..2164		

Seq. No.	33515	Seq. ID	OJ000251_48.0228.C46
Gene No.	69480	Strand	-
Start	2714	End	3253
Name	OJ000251_48.0228.C46.o2.gs	Method	GENSCAN
Start	2714	End	3253
GI	none	Score	.86
Exons	2714..3253		

Seq. No.	33516	Seq. ID	OJ000251_48.0228.C47
Gene No.	69481	Strand	+
Start	3974	End	4358
Name	OJ000251_48.0228.C47.o1.gp	Method	AAT/GAP
Start	3974	End	4358
GI	uC-osroM202008e08a1	Score	747

Exons	3974..4358		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 2.0e-09 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	33516	Seq. ID	OJ000251_48.0228.C47
Gene No.	69482	Strand	-
Start	1261	End	4358
Name	OJ000251_48.0228.C47.o1.np	Method	AAT/NAP
Start	1261	End	4358
GI	4539658	Score	109
Exons	1261..1431, 3735..3907, 4112..4196, 4292..4358		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	33516	Seq. ID	OJ000251_48.0228.C47
Gene No.	69482	Strand	-
Start	1261	End	4358
Name	OJ000251_48.0228.C47.o1.tm	Method	TBLASTX:Maize
Start	1715	End	1964
GI	none	Score	334
Exons	1715..1951, 1716..1964, 1878..1964		

Seq. No.	33516	Seq. ID	OJ000251_48.0228.C47
Gene No.	69482	Strand	-
Start	1261	End	4358
Name	OJ000251_48.0228.C47.o1.tc	Method	TBLASTX:Cress
Start	1727	End	1940
GI	none	Score	115
Exons	1727..1939, 1730..1939, 1731..1940		

Seq. No.	33516	Seq. ID	OJ000251_48.0228.C47
Gene No.	69482	Strand	-
Start	1261	End	4358
Name	OJ000251_48.0228.C47.o2.gs	Method	GENSCAN
Start	1727	End	4317
GI	none	Score	.57
Exons	1727..1924, 1935..2045, 2181..2321, 4171..4317		

Seq. No.	33516	Seq. ID	OJ000251_48.0228.C47
Gene No.	69482	Strand	-
Start	1261	End	4358
Name	OJ000251_48.0228.C47.o1.ts	Method	TBLASTX:Soybean
Start	1790	End	1943
GI	none	Score	189
Exons	1790..1942, 1791..1943		

Seq. No.	33516	Seq. ID	OJ000251_48.0228.C47
Gene No.	69482	Strand	-
Start	1261	End	4358
Name	OJ000251_48.0228.C47.o2.tm	Method	TBLASTX:Maize
Start	3627	End	3998
GI	none	Score	82
Exons	3627..3722, 3633..3704, 3755..3871, 3780..3881, 3782..3883, 3787..3882, 3868..3984, 3869..3997, 3876..3998, 3885..3998		

Seq. No.	33517	Seq. ID	OJ000251_48.0228.C48
Gene No.	69483	Strand	+

Start	5346	End	6160
Name	OJ000251_48.0228.C48.o2.gs	Method	GENSCAN
Start	5346	End	6160
GI	none	Score	.85
Exons	5346..6134, 6146..6160		

Seq. No.	33517	Seq. ID	OJ000251_48.0228.C48
Gene No.	69484	Strand	-
Start	117	End	4231
Name	OJ000251_48.0228.C48.o1.gs	Method	GENSCAN
Start	117	End	4231
GI	none	Score	.55
Exons	117..304, 309..625, 1839..1867, 3672..3794, 4085..4231		

Seq. No.	33517	Seq. ID	OJ000251_48.0228.C48
Gene No.	69484	Strand	-
Start	117	End	4231
Name	OJ000251_48.0228.C48.o1.gp	Method	AAT/GAP
Start	294	End	633
GI	uC-osroM202008e08b1	Score	668
Exons	294..633		
GI Descrip.	'2459424 5.0e-13 (AC002332) unknown protein [Arabidopsis thaliana]'		

Seq. No.	33517	Seq. ID	OJ000251_48.0228.C48
Gene No.	69484	Strand	-
Start	117	End	4231
Name	OJ000251_48.0228.C48.o1.np	Method	AAT/NAP
Start	351	End	4056
GI	2459424	Score	146
Exons	351..671, 3979..4056		
GI Descrip.	(AC002332) unknown protein [Arabidopsis thaliana]		

Seq. No.	33517	Seq. ID	OJ000251_48.0228.C48
Gene No.	69485	Strand	-
Start	6258	End	10248
Name	OJ000251_48.0228.C48.o4.tm	Method	TBLASTX:Maize
Start	373	End	575
GI	none	Score	108
Exons	373..522, 380..466, 522..557, 522..575		

Seq. No.	33517	Seq. ID	OJ000251_48.0228.C48
Gene No.	69485	Strand	-
Start	6258	End	10248
Name	OJ000251_48.0228.C48.o3.gs	Method	GENSCAN
Start	6258	End	8324
GI	none	Score	.98
Exons	6258..8324		

Seq. No.	33517	Seq. ID	OJ000251_48.0228.C48
Gene No.	69485	Strand	-
Start	6258	End	10248
Name	OJ000251_48.0228.C48.o2.np	Method	AAT/NAP
Start	6338	End	10248
GI	6498441	Score	4444
Exons	6338..7550, 7722..8204, 8397..8637, 8812..8946, 9130..9503, 9567..10036, 10221..10248		

GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	33517	Seq. ID	OJ000251_48.0228.C48
Gene No.	69485	Strand	-
Start	6258	End	10248
Name	OJ000251_48.0228.C48.o4.tw	Method	TBLASTX:Wheat
Start	6390	End	6771
GI	none	Score	165
Exons	6390..6770, 6421..6669, 6715..6771		

Seq. No.	33517	Seq. ID	OJ000251_48.0228.C48
Gene No.	69485	Strand	-
Start	6258	End	10248
Name	OJ000251_48.0228.C48.o2.tm	Method	TBLASTX:Maize
Start	6585	End	6908
GI	none	Score	198
Exons	6585..6908, 6598..6891		

Seq. No.	33517	Seq. ID	OJ000251_48.0228.C48
Gene No.	69485	Strand	-
Start	6258	End	10248
Name	OJ000251_48.0228.C48.o6.tw	Method	TBLASTX:Wheat
Start	7101	End	7413
GI	none	Score	55
Exons	7101..7361, 7212..7400, 7237..7413		

Seq. No.	33517	Seq. ID	OJ000251_48.0228.C48
Gene No.	69485	Strand	-
Start	6258	End	10248
Name	OJ000251_48.0228.C48.o2.ts	Method	TBLASTX:Soybean
Start	7161	End	7727
GI	5666795	Score	68
Exons	7161..7361, 7416..7553, 7629..7727		

GI Descrip. 4206306 2.0e-10 (AF049110) prpol [Zea mays]

Seq. No.	33517	Seq. ID	OJ000251_48.0228.C48
Gene No.	69485	Strand	-
Start	6258	End	10248
Name	OJ000251_48.0228.C48.o5.tw	Method	TBLASTX:Wheat
Start	7416	End	7874
GI	none	Score	92
Exons	7416..7556, 7417..7554, 7612..7785, 7626..7874, 7626..7850		

Seq. No.	33517	Seq. ID	OJ000251_48.0228.C48
Gene No.	69485	Strand	-
Start	6258	End	10248
Name	OJ000251_48.0228.C48.o1.ts	Method	TBLASTX:Soybean
Start	8475	End	8846
GI	none	Score	90
Exons	8475..8846, 8686..8829		

Seq. No.	33517	Seq. ID	OJ000251_48.0228.C48
Gene No.	69485	Strand	-
Start	6258	End	10248
Name	OJ000251_48.0228.C48.o2.tw	Method	TBLASTX:Wheat

Start	8500	End	8924
GI	none	Score	328
Exons	8500..8919, 8505..8924		

Seq. No.	33517	Seq. ID	OJ000251_48.0228.C48
Gene No.	69485	Strand	-
Start	6258	End	10248
Name	OJ000251_48.0228.C48.o3.tm	Method	TBLASTX:Maize
Start	8598	End	8982
GI	none	Score	221
Exons	8598..8981, 8617..8982		

Seq. No.	33517	Seq. ID	OJ000251_48.0228.C48
Gene No.	69485	Strand	-
Start	6258	End	10248
Name	OJ000251_48.0228.C48.o1.tm	Method	TBLASTX:Maize
Start	9009	End	9365
GI	none	Score	115
Exons	9009..9314, 9009..9365, 9019..9330		

Seq. No.	33517	Seq. ID	OJ000251_48.0228.C48
Gene No.	69485	Strand	-
Start	6258	End	10248
Name	OJ000251_48.0228.C48.o1.tw	Method	TBLASTX:Wheat
Start	9033	End	9496
GI	none	Score	400
Exons	9033..9494, 9034..9495, 9053..9496		

Seq. No.	33517	Seq. ID	OJ000251_48.0228.C48
Gene No.	69485	Strand	-
Start	6258	End	10248
Name	OJ000251_48.0228.C48.o3.ts	Method	TBLASTX:Soybean
Start	9090	End	9455
GI	none	Score	117
Exons	9090..9224, 9231..9455		

Seq. No.	33517	Seq. ID	OJ000251_48.0228.C48
Gene No.	69485	Strand	-
Start	6258	End	10248
Name	OJ000251_48.0228.C48.o3.tw	Method	TBLASTX:Wheat
Start	9660	End	10146
GI	none	Score	168
Exons	9660..10145, 9664..9951, 9973..10146		

Seq. No.	33518	Seq. ID	OJ000251_48.0228.C49
Gene No.	69486	Strand	-
Start	1	End	996
Name	OJ000251_48.0228.C49.o1.np	Method	AAT/NAP
Start	1	End	996
GI	5042454	Score	818
Exons	1..387, 443..553, 895..996		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	33518	Seq. ID	OJ000251_48.0228.C49
Gene No.	69486	Strand	-
Start	1	End	996
Name	OJ000251_48.0228.C49.o1.gs	Method	GENSCAN

Start	9	End	972
GI	none	Score	.86
Exons	9..387, 443..559, 895..972		

Seq. No.	33519	Seq. ID	OJ000251_48.0228.C50
Gene No.	69487	Strand	+
Start	1	End	305
Name	OJ000251_48.0228.C50.o1.gp	Method	AAT/GAP
Start	1	End	305
GI	uC-osroM202025c11a1	Score	589
Exons	1..305		
GI Descrip.	'2258469 0.0e+00 (AF009179) replication protein A1 [Oryza sativa]'		

Seq. No.	33520	Seq. ID	OJ000251_48.0228.C51
Gene No.	69488	Strand	+
Start	2522	End	5048
Name	OJ000251_48.0228.C51.o2.gs	Method	GENSCAN
Start	2522	End	5048
GI	none	Score	.51
Exons	2522..2563, 2723..3299, 4105..4229, 4414..4593, 4730..4970, 5011..5048		

Seq. No.	33520	Seq. ID	OJ000251_48.0228.C51
Gene No.	69489	Strand	+
Start	18058	End	20683
Name	OJ000251_48.0228.C51.o4.gs	Method	GENSCAN
Start	18058	End	20683
GI	none	Score	.72
Exons	18058..18135, 18543..19061, 19794..19919, 20489..20683		

Seq. No.	33520	Seq. ID	OJ000251_48.0228.C51
Gene No.	69490	Strand	+
Start	26454	End	27403
Name	OJ000251_48.0228.C51.o4.np	Method	AAT/NAP
Start	26454	End	27403
GI	6715737	Score	376
Exons	26454..27000, 27092..27403		
GI Descrip.	(AC016447) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	33520	Seq. ID	OJ000251_48.0228.C51
Gene No.	69491	Strand	+
Start	28585	End	29013
Name	OJ000251_48.0228.C51.o4.gp	Method	AAT/GAP
Start	28585	End	29013
GI	none	Score	822
Exons	28585..29013		

Seq. No.	33520	Seq. ID	OJ000251_48.0228.C51
Gene No.	69492	Strand	-
Start	627	End	1605
Name	OJ000251_48.0228.C51.o1.gs	Method	GENSCAN
Start	627	End	1605
GI	none	Score	.8
Exons	627..782, 1012..1491, 1600..1605		

Seq. No.	33520	Seq. ID	OJ000251_48.0228.C51

Gene No.	69493	Strand	-
Start	6777	End	17486
Name	OJ000251_48.0228.C51.o3.gs	Method	GENSCAN
Start	6777	End	17486
GI	none	Score	.84
Exons	6777..6809, 7601..7690, 8168..8329, 8562..8659, 8751..8826, 8895..8976, 10306..10433, 11269..11331, 11813..11936, 13283..13394, 13489..13891, 14432..14509, 14915..17041, 17169..17486		

Seq. No.	33520	Seq. ID	OJ000251_48.0228.C51
Gene No.	69493	Strand	-
Start	6777	End	17486
Name	OJ000251_48.0228.C51.o1.gp	Method	AAT/GAP
Start	7086	End	8320
GI	2342_1.R1084	Score	1169
Exons	7086..7474, 7601..7690, 8168..8320		
GI Descrip.	'3426051 4.0e-25 (AC005168) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	33520	Seq. ID	OJ000251_48.0228.C51
Gene No.	69493	Strand	-
Start	6777	End	17486
Name	OJ000251_48.0228.C51.o2.tc	Method	TBLASTX:Cress
Start	7397	End	8979
GI	none	Score	66
Exons	7397..7456, 7398..7469, 7599..7691, 7602..7691, 7640..7693, 8168..8218, 8169..8219, 8217..8330, 8219..8329, 8559..8660, 8563..8661, 8752..8802, 8887..8979, 8895..8978		

Seq. No.	33520	Seq. ID	OJ000251_48.0228.C51
Gene No.	69493	Strand	-
Start	6777	End	17486
Name	OJ000251_48.0228.C51.o1.np	Method	AAT/NAP
Start	7556	End	11995
GI	3426051	Score	1129
Exons	7556..7690, 8168..8329, 8562..8659, 8751..8802, 8895..8976, 10306..10433, 11269..11331, 11439..11552, 11813..11995		
GI Descrip.	(AC005168) putative Na+ dependent ileal bile acid transporter [Arabidopsis thaliana]		

Seq. No.	33520	Seq. ID	OJ000251_48.0228.C51
Gene No.	69493	Strand	-
Start	6777	End	17486
Name	OJ000251_48.0228.C51.o2.gp	Method	AAT/GAP
Start	8506	End	8976
GI	9200_1.R1084	Score	349
Exons	8506..8659, 8751..8802, 8895..8976		
GI Descrip.	'3426051 9.0e-41 (AC005168) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	33520	Seq. ID	OJ000251_48.0228.C51
Gene No.	69493	Strand	-
Start	6777	End	17486
Name	OJ000251_48.0228.C51.o3.tc	Method	TBLASTX:Cress
Start	10303	End	11332
GI	none	Score	182

Exons	10303..10434, 10303..10416, 10305..10457, 11263..11331, 11270..11332		
Seq. No.	33520	Seq. ID	OJ000251_48.0228.C51
Gene No.	69493	Strand	-
Start	6777	End	17486
Name	OJ000251_48.0228.C51.o3.gp	Method	AAT/GAP
Start	11269	End	11497
GI	9200_1.R1084	Score	144
Exons	11269..11331, 11439..11497		
GI Descrip.	'3426051 9.0e-41 (AC005168) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	33520	Seq. ID	OJ000251_48.0228.C51
Gene No.	69493	Strand	-
Start	6777	End	17486
Name	OJ000251_48.0228.C51.o1.tc	Method	TBLASTX:Cress
Start	11436	End	11935
GI	none	Score	138
Exons	11436..11552, 11437..11553, 11635..11694, 11805..11927, 11810..11935		

Seq. No.	33520	Seq. ID	OJ000251_48.0228.C51
Gene No.	69493	Strand	-
Start	6777	End	17486
Name	OJ000251_48.0228.C51.o3.np	Method	AAT/NAP
Start	14505	End	17481
GI	2583130	Score	1156
Exons	14505..14584, 14887..15304, 15356..17481		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	33520	Seq. ID	OJ000251_48.0228.C51
Gene No.	69493	Strand	-
Start	6777	End	17486
Name	OJ000251_48.0228.C51.o3.tw	Method	TBLASTX:Wheat
Start	15416	End	15823
GI	none	Score	166
Exons	15416..15571, 15620..15823		

Seq. No.	33520	Seq. ID	OJ000251_48.0228.C51
Gene No.	69493	Strand	-
Start	6777	End	17486
Name	OJ000251_48.0228.C51.o4.tw	Method	TBLASTX:Wheat
Start	16214	End	16402
GI	none	Score	101
Exons	16214..16402, 16221..16361		

Seq. No.	33520	Seq. ID	OJ000251_48.0228.C51
Gene No.	69493	Strand	-
Start	6777	End	17486
Name	OJ000251_48.0228.C51.o2.tm	Method	TBLASTX:Maize
Start	16263	End	16612
GI	none	Score	144
Exons	16263..16598, 16271..16612		

Seq. No.	33520	Seq. ID	OJ000251_48.0228.C51

Gene No.	69493	Strand	-
Start	6777	End	17486
Name	OJ000251_48.0228.C51.o1.ts	Method	TBLASTX:Soybean
Start	16280	End	16699
GI	none	Score	106
Exons	16280..16498, 16281..16481, 16496..16699, 16500..16616		

Seq. No.	33520	Seq. ID	OJ000251_48.0228.C51
Gene No.	69493	Strand	-
Start	6777	End	17486
Name	OJ000251_48.0228.C51.o2.tw	Method	TBLASTX:Wheat
Start	16403	End	16820
GI	none	Score	147
Exons	16403..16465, 16418..16732, 16436..16819, 16437..16820		

Seq. No.	33520	Seq. ID	OJ000251_48.0228.C51
Gene No.	69493	Strand	-
Start	6777	End	17486
Name	OJ000251_48.0228.C51.o3.tm	Method	TBLASTX:Maize
Start	16619	End	17408
GI	none	Score	99
Exons	16619..16702, 16784..16924, 16982..17164, 17172..17261, 17244..17408		

Seq. No.	33520	Seq. ID	OJ000251_48.0228.C51
Gene No.	69493	Strand	-
Start	6777	End	17486
Name	OJ000251_48.0228.C51.o1.tw	Method	TBLASTX:Wheat
Start	16994	End	17364
GI	none	Score	169
Exons	16994..17158, 16995..17165, 17172..17363, 17173..17364		

Seq. No.	33520	Seq. ID	OJ000251_48.0228.C51
Gene No.	69494	Strand	
Start	27127	End	27502
Name	OJ000251_48.0228.C51.o1.tm	Method	TBLASTX:Maize
Start	27127	End	27502
GI	none	Score	399
Exons	27127..27351, 27128..27352, 27446..27502		

Seq. No.	33521	Seq. ID	OJ000251_48.0228.C52
Gene No.	69495	Strand	-
Start	1	End	64
Name	OJ000251_48.0228.C52.o1.gp	Method	AAT/GAP
Start	1	End	64
GI	LIB3477-003-P1-K1-E9	Score	100
Exons	1..64		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	33521	Seq. ID	OJ000251_48.0228.C52
Gene No.	69496	Strand	-
Start	791	End	1105
Name	OJ000251_48.0228.C52.o1.gs	Method	GENSCAN
Start	791	End	1105
GI	none	Score	.56

Exons	791..1105		
Seq. No.	33522	Seq. ID	OJ000251_48.0228.C53
Gene No.	69497	Strand	-
Start	32	End	1032
Name	OJ000251_48.0228.C53.o1.gs	Method	GENSCAN
Start	32	End	1032
GI	none	Score	.66
Exons	32..188, 926..1032		
Seq. No.	33523	Seq. ID	OJ000251_48.0228.C54
Gene No.	69498	Strand	-
Start	5042	End	5516
Name	OJ000251_48.0228.C54.o1.np	Method	AAT/NAP
Start	3720	End	5516
GI	5922623	Score	70
Exons	3720..3789, 4087..4229, 5284..5516		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	33523	Seq. ID	OJ000251_48.0228.C54
Gene No.	69498	Strand	-
Start	5042	End	5516
Name	OJ000251_48.0228.C54.o2.gs	Method	GENSCAN
Start	5042	End	5432
GI	none	Score	.53
Exons	5042..5162, 5284..5359, 5378..5432		
Seq. No.	33524	Seq. ID	OJ000251_48.0228.C55
Gene No.	69499	Strand	+
Start	1	End	1308
Name	OJ000251_48.0228.C55.o1.np	Method	AAT/NAP
Start	1	End	1308
GI	6498441	Score	1527
Exons	1..839, 1170..1308		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	33524	Seq. ID	OJ000251_48.0228.C55
Gene No.	69499	Strand	+
Start	1	End	1308
Name	OJ000251_48.0228.C55.o1.tw	Method	TBLASTX:Wheat
Start	1	End	316
GI	none	Score	90
Exons	1..75, 2..76, 43..282, 59..316		
Seq. No.	33524	Seq. ID	OJ000251_48.0228.C55
Gene No.	69499	Strand	+
Start	1	End	1308
Name	OJ000251_48.0228.C55.o2.tw	Method	TBLASTX:Wheat
Start	928	End	1194
GI	none	Score	202
Exons	928..1194, 929..1189		
Seq. No.	33525	Seq. ID	OJ000251_48.0228.C56

Gene No.	69500	Strand	+
Start	218	End	525
Name	OJ000251_48.0228.C56.o1.gs	Method	GENSCAN
Start	218	End	525
GI	none	Score	.87
Exons	218..525		

Seq. No.	33526	Seq. ID	OJ000251_48.0228.C57
Gene No.	69501	Strand	+
Start	1	End	198
Name	OJ000251_48.0228.C57.o1.np	Method	AAT/NAP
Start	1	End	198
GI	2126090	Score	338
Exons	1..198		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi|455676|bbs|140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli] gi|6634720|gb|AAF19728.1|AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]		

Seq. No.	33527	Seq. ID	OJ000251_48.0228.C58
Gene No.	69502	Strand	+
Start	3381	End	4534
Name	OJ000251_48.0228.C58.o1.np	Method	AAT/NAP
Start	3381	End	4534
GI	5852181	Score	126
Exons	3381..3700, 4358..4534		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	33527	Seq. ID	OJ000251_48.0228.C58
Gene No.	69503	Strand	-
Start	859	End	1689
Name	OJ000251_48.0228.C58.o1.gs	Method	GENSCAN
Start	859	End	1689
GI	none	Score	.51
Exons	859..1113, 1375..1467, 1588..1689		

Seq. No.	33528	Seq. ID	OJ000251_48.0228.C59
Gene No.	69504	Strand	+
Start	1	End	1927
Name	OJ000251_48.0228.C59.o1.gp	Method	AAT/GAP
Start	1	End	177
GI	71335_1.R1084	Score	324
Exons	1..177		
GI Descrip.	'4914451/emb|CAB43691.1| 9.0e-11 (AL050398) dimethylaniline monooxygenase-like protein [Arabidopsis thaliana]'		

Seq. No.	33528	Seq. ID	OJ000251_48.0228.C59
Gene No.	69504	Strand	+
Start	1	End	1927
Name	OJ000251_48.0228.C59.o1.np	Method	AAT/NAP
Start	1	End	1927
GI	4914451	Score	1071
Exons	1..516, 893..1145, 1404..1522, 1697..1927		
GI Descrip.	(AL050398) dimethylaniline monooxygenase-like protein [Arabidopsis thaliana]		

Seq. No.	33528	Seq. ID	OJ000251_48.0228.C59
Gene No.	69504	Strand	+
Start	1	End	1927
Name	OJ000251_48.0228.C59.o1.gs	Method	GENSCAN
Start	55	End	1912
GI	none	Score	.94
Exons	55..516, 893..1141, 1400..1522, 1694..1912		

Seq. No.	33529	Seq. ID	OJ000251_48.0228.C61
Gene No.	69505	Strand	+
Start	665	End	817
Name	OJ000251_48.0228.C61.o1.gs	Method	GENSCAN
Start	665	End	817
GI	none	Score	.78
Exons	665..817		

Seq. No.	33530	Seq. ID	OJ000251_48.0228.C62
Gene No.	69506	Strand	-
Start	718	End	2305
Name	OJ000251_48.0228.C62.o1.gs	Method	GENSCAN
Start	718	End	2305
GI	none	Score	.77
Exons	718..903, 929..946, 1595..2305		

Seq. No.	33531	Seq. ID	OJ000251_48.0228.C63
Gene No.	69507	Strand	+
Start	1059	End	4572
Name	OJ000251_48.0228.C63.o1.gs	Method	GENSCAN
Start	1059	End	4045
GI	none	Score	.46
Exons	1059..1073, 2976..3226, 3393..3602, 3663..3735, 3920..4045		

Seq. No.	33531	Seq. ID	OJ000251_48.0228.C63
Gene No.	69507	Strand	+
Start	1059	End	4572
Name	OJ000251_48.0228.C63.o1.np	Method	AAT/NAP
Start	2954	End	4572
GI	6539588	Score	129
Exons	2954..3218, 4499..4572		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	33532	Seq. ID	OJ000251_48.0228.C65
Gene No.	69508	Strand	-
Start	447	End	537
Name	OJ000251_48.0228.C65.o1.gs	Method	GENSCAN
Start	447	End	537
GI	none	Score	.9
Exons	447..537		

Seq. No.	33533	Seq. ID	OJ000251_38.0217.C1
Gene No.	69509	Strand	-
Start	35	End	568
Name	OJ000251_38.0217.C1.o1.gs	Method	GENSCAN
Start	35	End	568
GI	none	Score	.84
Exons	35..425, 504..568		

Seq. No.	33534	Seq. ID	OJ000251_38.0217.C2
Gene No.	69510	Strand	-
Start	1	End	1721
Name	OJ000251_38.0217.C2.o1.np	Method	AAT/NAP
Start	1	End	1721
GI	2443320	Score	2254
Exons	1..1721		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	33534	Seq. ID	OJ000251_38.0217.C2
Gene No.	69510	Strand	-
Start	1	End	1721
Name	OJ000251_38.0217.C2.o2.tw	Method	TBLASTX:Wheat
Start	57	End	318
GI	none	Score	75
Exons	57..173, 57..317, 64..318		

Seq. No.	33534	Seq. ID	OJ000251_38.0217.C2
Gene No.	69510	Strand	-
Start	1	End	1721
Name	OJ000251_38.0217.C2.o1.ts	Method	TBLASTX:Soybean
Start	75	End	431
GI	5509260	Score	64
Exons	75..431, 76..156, 190..393		
GI Descrip.	-		

Seq. No.	33534	Seq. ID	OJ000251_38.0217.C2
Gene No.	69510	Strand	-
Start	1	End	1721
Name	OJ000251_38.0217.C2.o2.tc	Method	TBLASTX:Cress
Start	99	End	357
GI	none	Score	96
Exons	99..356, 220..357		

Seq. No.	33534	Seq. ID	OJ000251_38.0217.C2
Gene No.	69510	Strand	-
Start	1	End	1721
Name	OJ000251_38.0217.C2.o1.gs	Method	GENSCAN
Start	111	End	1405
GI	none	Score	.45
Exons	111..602, 687..1136, 1178..1405		

Seq. No.	33534	Seq. ID	OJ000251_38.0217.C2
Gene No.	69510	Strand	-
Start	1	End	1721
Name	OJ000251_38.0217.C2.o2.tm	Method	TBLASTX:Maize
Start	132	End	434
GI	none	Score	105
Exons	132..431, 135..434		

Seq. No.	33534	Seq. ID	OJ000251_38.0217.C2
Gene No.	69510	Strand	-
Start	1	End	1721
Name	OJ000251_38.0217.C2.o1.tc	Method	TBLASTX:Cress
Start	684	End	1160
GI	none	Score	117

Exons	684..848, 867..944, 954..1160		
Seq. No.	33534	Seq. ID	OJ000251_38.0217.C2
Gene No.	69510	Strand	-
Start	1	End	1721
Name	OJ000251_38.0217.C2.o1.tm	Method	TBLASTX:Maize
Start	723	End	1223
GI	none	Score	65
Exons	723..878, 864..947, 960..1223, 1048..1143		
Seq. No.	33534	Seq. ID	OJ000251_38.0217.C2
Gene No.	69510	Strand	-
Start	1	End	1721
Name	OJ000251_38.0217.C2.o1.tw	Method	TBLASTX:Wheat
Start	741	End	1372
GI	none	Score	437
Exons	741..1226, 760..1248, 1226..1372, 1227..1346, 1229..1369		
Seq. No.	33534	Seq. ID	OJ000251_38.0217.C2
Gene No.	69510	Strand	-
Start	1	End	1721
Name	OJ000251_38.0217.C2.o2.ts	Method	TBLASTX:Soybean
Start	741	End	1172
GI	none	Score	114
Exons	741..878, 864..944, 943..1170, 945..1172		
Seq. No.	33534	Seq. ID	OJ000251_38.0217.C2
Gene No.	69510	Strand	-
Start	1	End	1721
Name	OJ000251_38.0217.C2.o3.ts	Method	TBLASTX:Soybean
Start	1226	End	1531
GI	none	Score	55
Exons	1226..1348, 1241..1372, 1397..1531		
Seq. No.	33534	Seq. ID	OJ000251_38.0217.C2
Gene No.	69510	Strand	-
Start	1	End	1721
Name	OJ000251_38.0217.C2.o3.tw	Method	TBLASTX:Wheat
Start	1373	End	1721
GI	none	Score	111
Exons	1373..1594, 1392..1538, 1402..1548, 1592..1720, 1593..1721		
Seq. No.	33535	Seq. ID	OJ000251_38.0217.C3
Gene No.	69511	Strand	-
Start	1	End	800
Name	OJ000251_38.0217.C3.o1.np	Method	AAT/NAP
Start	1	End	546
GI	2443320	Score	640
Exons	1..546		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		
Seq. No.	33535	Seq. ID	OJ000251_38.0217.C3
Gene No.	69511	Strand	-
Start	1	End	800
Name	OJ000251_38.0217.C3.o1.gs	Method	GENSCAN
Start	187	End	800
GI	none	Score	.73

Exons	187..546, 750..800		
Seq. No.	33536	Seq. ID	OJ000251_38.0217.C5
Gene No.	69512	Strand	+
Start	158	End	282
Name	OJ000251_38.0217.C5.o1.gs	Method	GENSCAN
Start	158	End	282
GI	none	Score	.59
Exons	158..282		
Seq. No.	33537	Seq. ID	OJ000251_38.0217.C6
Gene No.	69513	Strand	-
Start	109	End	315
Name	OJ000251_38.0217.C6.o1.gs	Method	GENSCAN
Start	109	End	315
GI	none	Score	.73
Exons	109..315		
Seq. No.	33538	Seq. ID	OJ000251_38.0217.C9
Gene No.	69514	Strand	+
Start	327	End	820
Name	OJ000251_38.0217.C9.o1.gs	Method	GENSCAN
Start	327	End	820
GI	none	Score	.85
Exons	327..413, 650..820		
Seq. No.	33538	Seq. ID	OJ000251_38.0217.C9
Gene No.	69515	Strand	-
Start	1	End	851
Name	OJ000251_38.0217.C9.o1.np	Method	AAT/NAP
Start	1	End	851
GI	5922623	Score	226
Exons	1..72, 240..392, 769..851		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	33539	Seq. ID	OJ000251_38.0217.C10
Gene No.	69516	Strand	+
Start	403	End	2617
Name	OJ000251_38.0217.C10.o1.gs	Method	GENSCAN
Start	403	End	2617
GI	none	Score	.67
Exons	403..547, 645..666, 1116..1241, 1408..1465, 1677..1829, 2488..2617		
Seq. No.	33540	Seq. ID	OJ000251_38.0217.C11
Gene No.	69517	Strand	+
Start	11	End	2153
Name	OJ000251_38.0217.C11.o1.gs	Method	GENSCAN
Start	11	End	2153
GI	none	Score	.79
Exons	11..81, 1026..1067, 1640..2153		
Seq. No.	33541	Seq. ID	OJ000251_38.0217.C12
Gene No.	69518	Strand	+
Start	50	End	1909

Name	OJ000251_38.0217.C12.o1.gs	Method	GENSCAN
Start	50	End	1909
GI	none	Score	.84
Exons	50..1076, 1220..1909		

Seq. No.	33541	Seq. ID	OJ000251_38.0217.C12
Gene No.	69519	Strand	-
Start	2625	End	2855
Name	OJ000251_38.0217.C12.o2.gs	Method	GENSCAN
Start	2625	End	2855
GI	none	Score	.56
Exons	2625..2855		

Seq. No.	33541	Seq. ID	OJ000251_38.0217.C12
Gene No.	69520	Strand	-
Start	3542	End	3672
Name	OJ000251_38.0217.C12.o1.np	Method	AAT/NAP
Start	3542	End	3672
GI	6815097	Score	75
Exons	3542..3672		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	33542	Seq. ID	OJ000251_38.0217.C13
Gene No.	69521	Strand	+
Start	1961	End	3327
Name	OJ000251_38.0217.C13.o1.gs	Method	GENSCAN
Start	1961	End	3327
GI	none	Score	.84
Exons	1961..2012, 2851..3327		

Seq. No.	33542	Seq. ID	OJ000251_38.0217.C13
Gene No.	69522	Strand	+
Start	6243	End	11899
Name	OJ000251_38.0217.C13.o1.np	Method	AAT/NAP
Start	6243	End	11899
GI	4680203	Score	1692
Exons	6243..6276, 7591..9380, 9537..9761, 10038..10894, 11880..11899		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33542	Seq. ID	OJ000251_38.0217.C13
Gene No.	69522	Strand	+
Start	6243	End	11899
Name	OJ000251_38.0217.C13.o2.np	Method	AAT/NAP
Start	9082	End	11899
GI	6751696	Score	124
Exons	9082..9104, 11521..11899		
GI Descrip.	(AC018908) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33542	Seq. ID	OJ000251_38.0217.C13
Gene No.	69523	Strand	-
Start	11650	End	11853
Name	OJ000251_38.0217.C13.o2.tw	Method	TBLASTX:Wheat
Start	8142	End	8735
GI	none	Score	232
Exons	8142..8432, 8144..8434, 8490..8606, 8493..8591, 8610..8735, 8627..8734		

Seq. No.	33542	Seq. ID	OJ000251_38.0217.C13
Gene No.	69523	Strand	-
Start	11650	End	11853
Name	OJ000251_38.0217.C13.o1.ts	Method	TBLASTX:Soybean
Start	8160	End	8432
GI	none	Score	297
Exons	8160..8432, 8177..8425		

Seq. No.	33542	Seq. ID	OJ000251_38.0217.C13
Gene No.	69523	Strand	-
Start	11650	End	11853
Name	OJ000251_38.0217.C13.o2.ts	Method	TBLASTX:Soybean
Start	8475	End	8750
GI	none	Score	221
Exons	8475..8750, 8510..8749		

Seq. No.	33542	Seq. ID	OJ000251_38.0217.C13
Gene No.	69523	Strand	-
Start	11650	End	11853
Name	OJ000251_38.0217.C13.o2.tc	Method	TBLASTX:Cress
Start	8499	End	8831
GI	none	Score	288
Exons	8499..8831, 8585..8635, 8669..8776		

Seq. No.	33542	Seq. ID	OJ000251_38.0217.C13
Gene No.	69523	Strand	-
Start	11650	End	11853
Name	OJ000251_38.0217.C13.o2.tm	Method	TBLASTX:Maize
Start	8637	End	9122
GI	none	Score	102
Exons	8637..8741, 8645..8740, 8744..8836, 8748..8837, 8905..8940, 8934..8981, 8982..9029, 9029..9118, 9033..9122		

Seq. No.	33542	Seq. ID	OJ000251_38.0217.C13
Gene No.	69523	Strand	-
Start	11650	End	11853
Name	OJ000251_38.0217.C13.o3.tw	Method	TBLASTX:Wheat
Start	8736	End	9071
GI	none	Score	57
Exons	8736..8777, 8781..8879, 8783..8878, 8925..9023, 8936..9004, 9033..9071		

Seq. No.	33542	Seq. ID	OJ000251_38.0217.C13
Gene No.	69523	Strand	-
Start	11650	End	11853
Name	OJ000251_38.0217.C13.o1.tm	Method	TBLASTX:Maize
Start	9627	End	10010
GI	none	Score	63
Exons	9627..9695, 9695..10009, 9696..10010		

Seq. No.	33542	Seq. ID	OJ000251_38.0217.C13
Gene No.	69523	Strand	-
Start	11650	End	11853
Name	OJ000251_38.0217.C13.o1.tw	Method	TBLASTX:Wheat
Start	9651	End	10784
GI	none	Score	550

Exons	9651..10367, 9704..10183, 9882..10187, 10376..10558, 10386..10574, 10551..10652, 10593..10652, 10683..10784, 10685..10777		
Seq. No.	33542	Seq. ID	OJ000251_38.0217.C13
Gene No.	69523	Strand	-
Start	11650	End	11853
Name	OJ000251_38.0217.C13.o1.tc	Method	TBLASTX:Cress
Start	9942	End	10367
GI	none	Score	313
Exons	9942..10367, 9950..10183		
Seq. No.	33542	Seq. ID	OJ000251_38.0217.C13
Gene No.	69523	Strand	-
Start	11650	End	11853
Name	OJ000251_38.0217.C13.o3.tm	Method	TBLASTX:Maize
Start	10260	End	10550
GI	none	Score	146
Exons	10260..10430, 10308..10424, 10442..10549, 10443..10550		
Seq. No.	33542	Seq. ID	OJ000251_38.0217.C13
Gene No.	69523	Strand	-
Start	11650	End	11853
Name	OJ000251_38.0217.C13.o3.ts	Method	TBLASTX:Soybean
Start	10632	End	10844
GI	none	Score	183
Exons	10632..10844, 10632..10790, 10646..10813		
Seq. No.	33542	Seq. ID	OJ000251_38.0217.C13
Gene No.	69523	Strand	-
Start	11650	End	11853
Name	OJ000251_38.0217.C13.o4.gs	Method	GENSCAN
Start	11650	End	11853
GI	none	Score	.5
Exons	11650..11853		
Seq. No.	33543	Seq. ID	OJ000251_38.0217.C14
Gene No.	69524	Strand	+
Start	757	End	4043
Name	OJ000251_38.0217.C14.o1.gs	Method	GENSCAN
Start	757	End	4043
GI	none	Score	.66
Exons	757..954, 1026..1717, 1820..2878, 2964..3215, 3496..3577, 3852..4043		
Seq. No.	33543	Seq. ID	OJ000251_38.0217.C14
Gene No.	69525	Strand	
Start	13658	End	14506
Name	OJ000251_38.0217.C14.o1.tm	Method	TBLASTX:Maize
Start	13658	End	14506
GI	none	Score	106
Exons	13658..13864, 13913..14074, 14105..14167, 14213..14350, 14369..14506		
Seq. No.	33544	Seq. ID	OJ000251_38.0217.C15
Gene No.	69526	Strand	+
Start	1	End	1427

Name	OJ000251_38.0217.C15.o1.np	Method	AAT/NAP
Start	1	End	647
GI	6016874	Score	214
Exons	1..253, 380..647		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	33544	Seq. ID	OJ000251_38.0217.C15
Gene No.	69526	Strand	+
Start	1	End	1427
Name	OJ000251_38.0217.C15.o1.gs	Method	GENSCAN
Start	84	End	1427
GI	none	Score	.82
Exons	84..647, 740..786, 888..1001, 1412..1427		

Seq. No.	33544	Seq. ID	OJ000251_38.0217.C15
Gene No.	69526	Strand	+
Start	1	End	1427
Name	OJ000251_38.0217.C15.o1.tm	Method	TBLASTX:Maize
Start	389	End	614
GI	none	Score	189
Exons	389..613, 390..614		

Seq. No.	33545	Seq. ID	OJ000251_38.0217.C16
Gene No.	69527	Strand	+
Start	690	End	2582
Name	OJ000251_38.0217.C16.o1.gs	Method	GENSCAN
Start	690	End	2582
GI	none	Score	.69
Exons	690..740, 1039..1395, 1618..2235, 2388..2582		

Seq. No.	33546	Seq. ID	OJ000251_38.0217.C17
Gene No.	69528	Strand	+
Start	98	End	781
Name	OJ000251_38.0217.C17.o1.gs	Method	GENSCAN
Start	98	End	781
GI	none	Score	.8
Exons	98..781		

Seq. No.	33546	Seq. ID	OJ000251_38.0217.C17
Gene No.	69529	Strand	+
Start	18123	End	18271
Name	OJ000251_38.0217.C17.o1.gp	Method	AAT/GAP
Start	18123	End	18271
GI	uC-osflcyp001c04b2	Score	208
Exons	18123..18271		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 2.0e-34 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	33546	Seq. ID	OJ000251_38.0217.C17
Gene No.	69530	Strand	+
Start	21884	End	26014
Name	OJ000251_38.0217.C17.o6.np	Method	AAT/NAP
Start	21884	End	23521
GI	4539658	Score	77

Exons	21884..22028, 23398..23521		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	33546	Seq. ID	OJ000251_38.0217.C17
Gene No.	69530	Strand	+
Start	21884	End	26014
Name	OJ000251_38.0217.C17.o7.np	Method	AAT/NAP
Start	22041	End	26014
GI	4539658	Score	70
Exons	22041..22198, 23398..23503, 25977..26014		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	33546	Seq. ID	OJ000251_38.0217.C17
Gene No.	69530	Strand	+
Start	21884	End	26014
Name	OJ000251_38.0217.C17.o5.np	Method	AAT/NAP
Start	23248	End	23394
GI	4539658	Score	60
Exons	23248..23394		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	33546	Seq. ID	OJ000251_38.0217.C17
Gene No.	69531	Strand	+
Start	27688	End	29245
Name	OJ000251_38.0217.C17.o8.np	Method	AAT/NAP
Start	27688	End	29245
GI	3355471	Score	232
Exons	27688..27820, 27943..27975, 28148..28294, 29199..29245		
GI Descrip.	(AC004218) putative phospholipase [Arabidopsis thaliana]		

Seq. No.	33546	Seq. ID	OJ000251_38.0217.C17
Gene No.	69532	Strand	-
Start	1118	End	15300
Name	OJ000251_38.0217.C17.o2.gs	Method	GENSCAN
Start	1118	End	12043
GI	none	Score	.57
Exons	1118..1710, 1978..2263, 2597..3508, 3584..4164, 4258..4366, 4552..5376, 5605..5760, 5986..6738, 6995..7227, 7303..7392, 7691..7856, 9101..9162, 10942..11239, 11765..12043		

Seq. No.	33546	Seq. ID	OJ000251_38.0217.C17
Gene No.	69532	Strand	-
Start	1118	End	15300
Name	OJ000251_38.0217.C17.o1.np	Method	AAT/NAP
Start	1139	End	4302
GI	4544372	Score	1201
Exons	1139..2710, 2816..3216, 3277..4302		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	33546	Seq. ID	OJ000251_38.0217.C17
Gene No.	69532	Strand	-
Start	1118	End	15300
Name	OJ000251_38.0217.C17.o3.np	Method	AAT/NAP

Start	10964	End	15300
GI	6358789	Score	133
Exons	10964..11043, 11161..11239, 11765..11858, 15213..15300		
GI Descrip.	(AC010852) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33546	Seq. ID	OJ000251_38.0217.C17
Gene No.	69533	Strand	-
Start	20177	End	20480
Name	OJ000251_38.0217.C17.o2.gp	Method	AAT/GAP
Start	20177	End	20480
GI	61605_3.R1084	Score	410
Exons	20177..20480		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	33546	Seq. ID	OJ000251_38.0217.C17
Gene No.	69534	Strand	-
Start	20851	End	22313
Name	OJ000251_38.0217.C17.o3.ts	Method	TBLASTX:Soybean
Start	1128	End	1378
GI	none	Score	46
Exons	1128..1166, 1139..1378, 1239..1367		

Seq. No.	33546	Seq. ID	OJ000251_38.0217.C17
Gene No.	69534	Strand	-
Start	20851	End	22313
Name	OJ000251_38.0217.C17.o2.tw	Method	TBLASTX:Wheat
Start	1154	End	1561
GI	none	Score	117
Exons	1154..1561, 1188..1553		

Seq. No.	33546	Seq. ID	OJ000251_38.0217.C17
Gene No.	69534	Strand	-
Start	20851	End	22313
Name	OJ000251_38.0217.C17.o4.tw	Method	TBLASTX:Wheat
Start	1598	End	1964
GI	none	Score	56
Exons	1598..1963, 1881..1964		

Seq. No.	33546	Seq. ID	OJ000251_38.0217.C17
Gene No.	69534	Strand	-
Start	20851	End	22313
Name	OJ000251_38.0217.C17.o4.tm	Method	TBLASTX:Maize
Start	1742	End	2122
GI	none	Score	92
Exons	1742..1966, 1964..2122		

Seq. No.	33546	Seq. ID	OJ000251_38.0217.C17
Gene No.	69534	Strand	-
Start	20851	End	22313
Name	OJ000251_38.0217.C17.o5.ts	Method	TBLASTX:Soybean
Start	1922	End	2203
GI	none	Score	79
Exons	1922..2203, 1923..2138		

Seq. No.	33546	Seq. ID	OJ000251_38.0217.C17
Gene No.	69534	Strand	-

Start	20851	End	22313
Name	OJ000251_38.0217.C17.o3.tw	Method	TBLASTX:Wheat
Start	2540	End	2938
GI	none	Score	39
Exons	2540..2809, 2562..2711, 2733..2798, 2849..2938		

Seq. No.	33546	Seq. ID	OJ000251_38.0217.C17
Gene No.	69534	Strand	-
Start	20851	End	22313
Name	OJ000251_38.0217.C17.o1.ts	Method	TBLASTX:Soybean
Start	2571	End	2983
GI	none	Score	138
Exons	2571..2825, 2573..2824, 2846..2983, 2850..2981		

Seq. No.	33546	Seq. ID	OJ000251_38.0217.C17
Gene No.	69534	Strand	-
Start	20851	End	22313
Name	OJ000251_38.0217.C17.o2.ts	Method	TBLASTX:Soybean
Start	3134	End	3604
GI	none	Score	76
Exons	3134..3322, 3147..3278, 3323..3604, 3429..3566		

Seq. No.	33546	Seq. ID	OJ000251_38.0217.C17
Gene No.	69534	Strand	-
Start	20851	End	22313
Name	OJ000251_38.0217.C17.o5.tw	Method	TBLASTX:Wheat
Start	3221	End	3619
GI	none	Score	95
Exons	3221..3322, 3284..3619, 3288..3602		

Seq. No.	33546	Seq. ID	OJ000251_38.0217.C17
Gene No.	69534	Strand	-
Start	20851	End	22313
Name	OJ000251_38.0217.C17.o1.tm	Method	TBLASTX:Maize
Start	3290	End	3751
GI	none	Score	192
Exons	3290..3751, 3291..3599, 3362..3751		

Seq. No.	33546	Seq. ID	OJ000251_38.0217.C17
Gene No.	69534	Strand	-
Start	20851	End	22313
Name	OJ000251_38.0217.C17.o1.tw	Method	TBLASTX:Wheat
Start	3620	End	4024
GI	none	Score	245
Exons	3620..3964, 3620..3973, 3663..3965, 3968..4024, 3978..4019		

Seq. No.	33546	Seq. ID	OJ000251_38.0217.C17
Gene No.	69534	Strand	-
Start	20851	End	22313
Name	OJ000251_38.0217.C17.o2.tm	Method	TBLASTX:Maize
Start	3752	End	3970
GI	none	Score	208
Exons	3752..3970, 3753..3965		

Seq. No.	33546	Seq. ID	OJ000251_38.0217.C17
Gene No.	69534	Strand	-
Start	20851	End	22313

Name	OJ000251_38.0217.C17.o4.ts	Method	TBLASTX:Soybean
Start	3821	End	4186
GI	none	Score	69
Exons	3821..3955, 3962..4186, 4062..4175		

Seq. No.	33546	Seq. ID	OJ000251_38.0217.C17
Gene No.	69534	Strand	-
Start	20851	End	22313
Name	OJ000251_38.0217.C17.o4.np	Method	AAT/NAP
Start	20851	End	22313
GI	6063554	Score	654
Exons	20851..21023, 21774..22313		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33546	Seq. ID	OJ000251_38.0217.C17
Gene No.	69535	Strand	
Start	27726	End	28293
Name	OJ000251_38.0217.C17.o3.tm	Method	TBLASTX:Maize
Start	27726	End	28293
GI	none	Score	101
Exons	27726..27821, 27726..27821, 27727..27822, 27910..27975, 27923..27976, 27926..27988, 27927..27977, 28141..28293, 28145..28231, 28146..28292, 28147..28293		

Seq. No.	33547	Seq. ID	OJ000251_38.0217.C18
Gene No.	69536	Strand	-
Start	1	End	732
Name	OJ000251_38.0217.C18.o1.np	Method	AAT/NAP
Start	1	End	732
GI	1076205	Score	99
Exons	1..454, 703..732		
GI Descrip.	hypothetical protein WP6 - Chlamydomonas eugametos gi|530878 (L29028) amino acid feature: N-glycosylation sites, aa 41 .. 43, 46 .. 48, 51 .. 53, 72 .. 74, 107 .. 109, 128 .. 130, 132 .. 134, 158 .. 160, 163 .. 165; amino acid feature: Rod protein domain, aa 169 .. 340; amino acid feature: globular pro...		

Seq. No.	33547	Seq. ID	OJ000251_38.0217.C18
Gene No.	69536	Strand	-
Start	1	End	732
Name	OJ000251_38.0217.C18.o1.gs	Method	GENSCAN
Start	28	End	454
GI	none	Score	.43
Exons	28..454		

Seq. No.	33548	Seq. ID	OJ000251_38.0217.C20
Gene No.	69537	Strand	-
Start	360	End	479
Name	OJ000251_38.0217.C20.o1.gs	Method	GENSCAN
Start	360	End	479
GI	none	Score	.49
Exons	360..479		

Seq. No.	33549	Seq. ID	OJ000251_38.0217.C21
Gene No.	69538	Strand	+

Start	1	End	371
Name	OJ000251_38.0217.C21.o1.np	Method	AAT/NAP
Start	1	End	371
GI	4558686	Score	114
Exons	1..371		
GI Descrip.	(AC006586) putative TNP2-like transposon protein [Arabidopsis thaliana]		

Seq. No.	33550	Seq. ID	OJ000251_38.0217.C22
Gene No.	69539	Strand	+
Start	46	End	1312
Name	OJ000251_38.0217.C22.o1.np	Method	AAT/NAP
Start	46	End	1312
GI	2443320	Score	1537
Exons	46..1312		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	33550	Seq. ID	OJ000251_38.0217.C22
Gene No.	69539	Strand	+
Start	46	End	1312
Name	OJ000251_38.0217.C22.o1.gs	Method	GENSCAN
Start	49	End	1080
GI	none	Score	56
Exons	49..392, 558..771, 1000..1080		

Seq. No.	33550	Seq. ID	OJ000251_38.0217.C22
Gene No.	69539	Strand	+
Start	46	End	1312
Name	OJ000251_38.0217.C22.o2.tw	Method	TBLASTX:Wheat
Start	244	End	590
GI	none	Score	205
Exons	244..588, 423..590		

Seq. No.	33550	Seq. ID	OJ000251_38.0217.C22
Gene No.	69539	Strand	+
Start	46	End	1312
Name	OJ000251_38.0217.C22.o1.tw	Method	TBLASTX:Wheat
Start	906	End	1305
GI	none	Score	358
Exons	906..1298, 907..1299, 910..1305		

Seq. No.	33551	Seq. ID	OJ000251_38.0217.C25
Gene No.	69540	Strand	+
Start	1	End	580
Name	OJ000251_38.0217.C25.o1.np	Method	AAT/NAP
Start	1	End	570
GI	4680179	Score	817
Exons	1..570		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33551	Seq. ID	OJ000251_38.0217.C25
Gene No.	69540	Strand	+
Start	1	End	580
Name	OJ000251_38.0217.C25.o1.tm	Method	TBLASTX:Maize
Start	1	End	330
GI	none	Score	359
Exons	1..330, 15..77, 67..309, 132..329		

Seq. No.	33551	Seq. ID	OJ000251_38.0217.C25
Gene No.	69540	Strand	+
Start	1	End	580
Name	OJ000251_38.0217.C25.o1.gs	Method	GENSCAN
Start	70	End	483
GI	none	Score	.86
Exons	70..483		

Seq. No.	33551	Seq. ID	OJ000251_38.0217.C25
Gene No.	69540	Strand	+
Start	1	End	580
Name	OJ000251_38.0217.C25.o1.tw	Method	TBLASTX:Wheat
Start	103	End	525
GI	none	Score	436
Exons	103..525, 124..309, 138..503		

Seq. No.	33551	Seq. ID	OJ000251_38.0217.C25
Gene No.	69540	Strand	+
Start	1	End	580
Name	OJ000251_38.0217.C25.o2.tm	Method	TBLASTX:Maize
Start	334	End	580
GI	none	Score	189
Exons	334..546, 360..545, 548..580,	548..580	

Seq. No.	33552	Seq. ID	OJ000251_38.0217.C26
Gene No.	69541	Strand	-
Start	1	End	343
Name	OJ000251_38.0217.C26.o1.np	Method	AAT/NAP
Start	1	End	343
GI	3355471	Score	119
Exons	1..88, 211..343		
GI Descrip.	(AC004218) putative phospholipase [Arabidopsis thaliana]		

Seq. No.	33552	Seq. ID	OJ000251_38.0217.C26
Gene No.	69541	Strand	-
Start	1	End	343
Name	OJ000251_38.0217.C26.o1.tm	Method	TBLASTX:Maize
Start	43	End	305
GI	none	Score	73
Exons	43..105, 54..104, 55..108, 56..121, 209..304, 210..305, 210..305		

Seq. No.	33553	Seq. ID	OJ000251_38.0217.C29
Gene No.	69542	Strand	-
Start	20	End	168
Name	OJ000251_38.0217.C29.o1.gp	Method	AAT/GAP
Start	20	End	168
GI	uC-osflcyp001c04b2	Score	208
Exons	20..168		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 2.0e-34 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	33554	Seq. ID	OJ000251_38.0217.C30
Gene No.	69543	Strand	+
Start	294	End	343
Name	OJ000251_38.0217.C30.o1.gs	Method	GENSCAN

Start	294	End	343
GI	none	Score	.69
Exons	294..343		

Seq. No.	33555	Seq. ID	OJ000251_38.0217.C31
Gene No.	69544	Strand	-
Start	1	End	825
Name	OJ000251_38.0217.C31.o1.np	Method	AAT/NAP
Start	1	End	825
GI	4680179	Score	1077
Exons	1..825		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33555	Seq. ID	OJ000251_38.0217.C31
Gene No.	69544	Strand	-
Start	1	End	825
Name	OJ000251_38.0217.C31.o2.tw	Method	TBLASTX:Wheat
Start	56	End	322
GI	none	Score	119
Exons	56..322, 60..320		

Seq. No.	33555	Seq. ID	OJ000251_38.0217.C31
Gene No.	69544	Strand	-
Start	1	End	825
Name	OJ000251_38.0217.C31.o1.gs	Method	GENSCAN
Start	62	End	694
GI	none	Score	.56
Exons	62..694		

Seq. No.	33555	Seq. ID	OJ000251_38.0217.C31
Gene No.	69544	Strand	-
Start	1	End	825
Name	OJ000251_38.0217.C31.o1.tm	Method	TBLASTX:Maize
Start	185	End	770
GI	none	Score	98
Exons	185..610, 186..383, 206..448, 615..770	438..611, 606..755, 608..769,	

Seq. No.	33555	Seq. ID	OJ000251_38.0217.C31
Gene No.	69544	Strand	-
Start	1	End	825
Name	OJ000251_38.0217.C31.o1.tw	Method	TBLASTX:Wheat
Start	323	End	782
GI	none	Score	40
Exons	323..778, 324..383, 365..778,	441..782	

Seq. No.	33556	Seq. ID	OJ000251_38.0217.C32
Gene No.	69545	Strand	+
Start	411	End	505
Name	OJ000251_38.0217.C32.o1.gs	Method	GENSCAN
Start	411	End	505
GI	none	Score	.4
Exons	411..505		

Seq. No.	33557	Seq. ID	OJ000251_38.0217.C33
Gene No.	69546	Strand	-
Start	707	End	783

Name	OJ000251_38.0217.C33.o1.np	Method	AAT/NAP
Start	707	End	783
GI	4680179	Score	103
Exons	707..783		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33558	Seq. ID	OJ000251_38.0217.C34
Gene No.	69547	Strand	-
Start	377	End	644
Name	OJ000251_38.0217.C34.o1.gs	Method	GENSCAN
Start	377	End	644
GI	none	Score	.45
Exons	377..644		

Seq. No.	33559	Seq. ID	OJ000251_38.0217.C35
Gene No.	69548	Strand	+
Start	1	End	1972
Name	OJ000251_38.0217.C35.o2.np	Method	AAT/NAP
Start	1	End	1972
GI	6063554	Score	195
Exons	1..114, 159..308, 503..707, 792..833, 1797..1972		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33559	Seq. ID	OJ000251_38.0217.C35
Gene No.	69548	Strand	+
Start	1	End	1972
Name	OJ000251_38.0217.C35.o1.gs	Method	GENSCAN
Start	175	End	1245
GI	none	Score	.59
Exons	175..476, 481..733, 787..865, 1148..1245		

Seq. No.	33559	Seq. ID	OJ000251_38.0217.C35
Gene No.	69548	Strand	+
Start	1	End	1972
Name	OJ000251_38.0217.C35.o1.np	Method	AAT/NAP
Start	425	End	1242
GI	5852178	Score	387
Exons	425..733, 765..869, 1148..1242		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	33559	Seq. ID	OJ000251_38.0217.C35
Gene No.	69548	Strand	+
Start	1	End	1972
Name	OJ000251_38.0217.C35.o1.gp	Method	AAT/GAP
Start	1377	End	1812
GI	2428185	Score	701
Exons	1377..1812		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	33559	Seq. ID	OJ000251_38.0217.C35
Gene No.	69549	Strand	+
Start	3871	End	4395
Name	OJ000251_38.0217.C35.o2.gp	Method	AAT/GAP
Start	3871	End	4395

GI	LIB3434-038-P1-K1-F1	Score	745
Exons	3871..4395		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	33559	Seq. ID	OJ000251_38.0217.C35
Gene No.	69550	Strand	+
Start	8186	End	17002
Name	OJ000251_38.0217.C35.o5.np	Method	AAT/NAP
Start	8186	End	10080
GI	4680203	Score	187
Exons	8186..8216, 9447..10080		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33559	Seq. ID	OJ000251_38.0217.C35
Gene No.	69550	Strand	+
Start	8186	End	17002
Name	OJ000251_38.0217.C35.o4.gs	Method	GENSCAN
Start	9453	End	17002
GI	none	Score	.63
Exons	9453..10151, 10253..10529, 11354..11524, 11544..11603, 11646..11670, 12254..12434, 13111..13345, 13573..13704, 16974..17002		

Seq. No.	33559	Seq. ID	OJ000251_38.0217.C35
Gene No.	69550	Strand	+
Start	8186	End	17002
Name	OJ000251_38.0217.C35.o6.np	Method	AAT/NAP
Start	9564	End	12441
GI	4558686	Score	149
Exons	9564..10045, 12420..12441		
GI Descrip.	(AC006586) putative TNP2-like transposon protein [Arabidopsis thaliana]		

Seq. No.	33559	Seq. ID	OJ000251_38.0217.C35
Gene No.	69551	Strand	-
Start	3685	End	4956
Name	OJ000251_38.0217.C35.o2.gs	Method	GENSCAN
Start	3685	End	4956
GI	none	Score	.56
Exons	3685..3775, 4886..4956		

Seq. No.	33559	Seq. ID	OJ000251_38.0217.C35
Gene No.	69552	Strand	-
Start	5137	End	8618
Name	OJ000251_38.0217.C35.o3.np	Method	AAT/NAP
Start	5137	End	6035
GI	5852178	Score	337
Exons	5137..5231, 5596..5714, 5745..6035		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	33559	Seq. ID	OJ000251_38.0217.C35
Gene No.	69552	Strand	-
Start	5137	End	8618
Name	OJ000251_38.0217.C35.o3.gs	Method	GENSCAN
Start	5583	End	8618
GI	none	Score	.88

Exons	5583..5658, 5732..6000, 6079..6179, 6228..6350, 6745..6782, 8247..8488, 8517..8618		
Seq. No.	33559	Seq. ID	OJ000251_38.0217.C35
Gene No.	69552	Strand	-
Start	5137	End	8618
Name	OJ000251_38.0217.C35.o4.np	Method	AAT/NAP
Start	6752	End	6944
GI	4680179	Score	225
Exons	6752..6944		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	33560	Seq. ID	OJ000251_38.0217.C37
Gene No.	69553	Strand	-
Start	270	End	500
Name	OJ000251_38.0217.C37.o1.gs	Method	GENSCAN
Start	270	End	500
GI	none	Score	.51
Exons	270..500		
Seq. No.	33561	Seq. ID	OJ000251_38.0217.C40
Gene No.	69554	Strand	+
Start	96	End	767
Name	OJ000251_38.0217.C40.o1.gs	Method	GENSCAN
Start	96	End	767
GI	none	Score	.75
Exons	96..226, 302..361, 432..533, 612..767		
Seq. No.	33562	Seq. ID	OJ000251_38.0217.C41
Gene No.	69555	Strand	+
Start	27	End	538
Name	OJ000251_38.0217.C41.o1.gs	Method	GENSCAN
Start	27	End	538
GI	none	Score	.94
Exons	27..39, 158..218, 304..538		
Seq. No.	33563	Seq. ID	OJ000251_38.0217.C42
Gene No.	69556	Strand	-
Start	373	End	638
Name	OJ000251_38.0217.C42.o1.np	Method	AAT/NAP
Start	373	End	638
GI	6063554	Score	122
Exons	373..638		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	33564	Seq. ID	OJ000251_38.0217.C45
Gene No.	69557	Strand	+
Start	76	End	411
Name	OJ000251_38.0217.C45.o1.gs	Method	GENSCAN
Start	76	End	411
GI	none	Score	.84
Exons	76..411		
Seq. No.	33564	Seq. ID	OJ000251_38.0217.C45
Gene No.	69557	Strand	+

Start	76	End	411
Name	OJ000251_38.0217.C45.o1.ts	Method	TBLASTX:Soybean
Start	151	End	401
GI	none	Score	247
Exons	151..390, 162..290, 363..401		

Seq. No.	33565	Seq. ID	OJ000251_38.0217.C46
Gene No.	69558	Strand	-
Start	153	End	2956
Name	OJ000251_38.0217.C46.o1.gs	Method	GENSCAN
Start	153	End	2950
GI	none	Score	.86
Exons	153..325, 1502..2950		

Seq. No.	33565	Seq. ID	OJ000251_38.0217.C46
Gene No.	69558	Strand	-
Start	153	End	2956
Name	OJ000251_38.0217.C46.o1.np	Method	AAT/NAP
Start	1484	End	2956
GI	2443320	Score	2209
Exons	1484..2956		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	33565	Seq. ID	OJ000251_38.0217.C46
Gene No.	69558	Strand	-
Start	153	End	2956
Name	OJ000251_38.0217.C46.o3.tm	Method	TBLASTX:Maize
Start	1499	End	1925
GI	none	Score	71
Exons	1499..1639, 1548..1640, 1748..1924, 1767..1925		

Seq. No.	33565	Seq. ID	OJ000251_38.0217.C46
Gene No.	69558	Strand	-
Start	153	End	2956
Name	OJ000251_38.0217.C46.o2.tw	Method	TBLASTX:Wheat
Start	1526	End	2008
GI	none	Score	91
Exons	1526..1639, 1527..1628, 1637..2008, 1665..2003		

Seq. No.	33565	Seq. ID	OJ000251_38.0217.C46
Gene No.	69558	Strand	-
Start	153	End	2956
Name	OJ000251_38.0217.C46.o2.ts	Method	TBLASTX:Soybean
Start	1748	End	2110
GI	none	Score	67
Exons	1748..2110, 1761..1916		

Seq. No.	33565	Seq. ID	OJ000251_38.0217.C46
Gene No.	69558	Strand	-
Start	153	End	2956
Name	OJ000251_38.0217.C46.o2.tm	Method	TBLASTX:Maize
Start	1967	End	2431
GI	none	Score	70
Exons	1967..2200, 1988..2293, 2270..2431		

Seq. No.	33565	Seq. ID	OJ000251_38.0217.C46
Gene No.	69558	Strand	-

Start	153	End	2956
Name	OJ000251_38.0217.C46.o1.tw	Method	TBLASTX:Wheat
Start	2081	End	2840
GI	none	Score	309
Exons	2081..2470, 2082..2471, 2495..2839, 2496..2840		

Seq. No.	33565	Seq. ID	OJ000251_38.0217.C46
Gene No.	69558	Strand	-
Start	153	End	2956
Name	OJ000251_38.0217.C46.o1.tm	Method	TBLASTX:Maize
Start	2490	End	2834
GI	none	Score	150
Exons	2490..2834, 2528..2815		

Seq. No.	33565	Seq. ID	OJ000251_38.0217.C46
Gene No.	69558	Strand	-
Start	153	End	2956
Name	OJ000251_38.0217.C46.o1.ts	Method	TBLASTX:Soybean
Start	2520	End	2953
GI	5509260	Score	102
Exons	2520..2678, 2528..2953, 2712..2915		
GI Descrip.	-		

Seq. No.	33565	Seq. ID	OJ000251_38.0217.C46
Gene No.	69558	Strand	-
Start	153	End	2956
Name	OJ000251_38.0217.C46.o1.tc	Method	TBLASTX:Cress
Start	2621	End	2879
GI	none	Score	96
Exons	2621..2878, 2742..2879		

Seq. No.	33566	Seq. ID	OJ000251_38.0217.C47
Gene No.	69559	Strand	+
Start	62	End	183
Name	OJ000251_38.0217.C47.o1.gs	Method	GENSCAN
Start	62	End	183
GI	none	Score	.67
Exons	62..183		

Seq. No.	33567	Seq. ID	OJ000251_38.0217.C48
Gene No.	69560	Strand	-
Start	83	End	434
Name	OJ000251_38.0217.C48.o1.gs	Method	GENSCAN
Start	83	End	434
GI	none	Score	.9
Exons	83..434		

Seq. No.	33568	Seq. ID	OJ000251_39.0218.C1
Gene No.	69561	Strand	+
Start	98	End	1256
Name	OJ000251_39.0218.C1.o1.gp	Method	AAT/GAP
Start	98	End	272
GI	3107380	Score	304
Exons	98..272		

Seq. No.	33568	Seq. ID	OJ000251_39.0218.C1
Gene No.	69561	Strand	+

Start	98	End	1256
Name	OJ000251_39.0218.C1.o1.gs	Method	GENSCAN
Start	99	End	1256
GI	none	Score	.76
Exons	99..1256		

Seq. No.	33568	Seq. ID	OJ000251_39.0218.C1
Gene No.	69562	Strand	-
Start	1722	End	2256
Name	OJ000251_39.0218.C1.o2.gs	Method	GENSCAN
Start	1722	End	2256
GI	none	Score	.7
Exons	1722..2057, 2242..2256		

Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69563	Strand	+
Start	57	End	7305
Name	OJ000251_39.0218.C2.o1.gs	Method	GENSCAN
Start	57	End	7305
GI	none	Score	.57
Exons	57..111, 646..1302, 1389..2043, 2490..3443, 3662..3734, 4006..4276, 4371..4768, 4845..5036, 5129..5334, 5378..5723, 5805..5903, 5981..6320, 6875..7305		

Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69563	Strand	+
Start	57	End	7305
Name	OJ000251_39.0218.C2.o1.np	Method	AAT/NAP
Start	1934	End	7127
GI	6815062	Score	6193
Exons	1934..3443, 3662..3734, 4006..4276, 4371..4768, 4845..5036, 5129..5334, 5378..5723, 5805..5903, 5981..6320, 6619..6644, 6786..6899, 7012..7127		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69563	Strand	+
Start	57	End	7305
Name	OJ000251_39.0218.C2.o2.np	Method	AAT/NAP
Start	2436	End	7127
GI	6815062	Score	5347
Exons	2436..3443, 3662..3734, 4006..4276, 4371..4768, 4845..5036, 5129..5334, 5378..5723, 5805..5903, 5981..6320, 6619..6644, 6786..6899, 7012..7127		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69564	Strand	+
Start	13021	End	26262
Name	OJ000251_39.0218.C2.o3.gs	Method	GENSCAN
Start	13021	End	26262
GI	none	Score	.42
Exons	13021..13339, 14242..14483, 14564..14657, 15351..15601,		

16347..16430, 18325..18445, 20115..20179, 20648..21156,
21242..21740, 21897..22520, 23584..24744, 25231..25426,
25538..26262

Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69564	Strand	+
Start	13021	End	26262
Name	OJ000251_39.0218.C2.o4.np	Method	AAT/NAP
Start	14193	End	18473
GI	3831454	Score	637
Exons	14193..14483, 14564..14662, 16347..16430, 17211..17297, 18325..18473		
GI Descrip.	(AC005700) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69564	Strand	+
Start	13021	End	26262
Name	OJ000251_39.0218.C2.o1.gp	Method	AAT/GAP
Start	21103	End	21737
GI	none	Score	1032
Exons	21103..21156, 21242..21737		

Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69564	Strand	+
Start	13021	End	26262
Name	OJ000251_39.0218.C2.o5.np	Method	AAT/NAP
Start	23650	End	24768
GI	231610	Score	1296
Exons	23650..24768		
GI Descrip.	ATP SYNTHASE GAMMA CHAIN, CHLOROPLAST PRECURSOR gi|67880|pir||PWNTG H+-transporting ATP synthase (EC 3.6.1.34) gamma chain precursor, chloroplast - common tobacco gi|19785|emb|CAA45152| (X63606) ATP synthase (gamma subunit) [Nicotiana tabacum]		

Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69565	Strand	+
Start	27653	End	29266
Name	OJ000251_39.0218.C2.o4.gs	Method	GENSCAN
Start	27653	End	29266
GI	none	Score	.46
Exons	27653..27798, 27824..27937, 28814..28886, 29249..29266		

Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69566	Strand	+
Start	30127	End	30615
Name	OJ000251_39.0218.C2.o5.gs	Method	GENSCAN
Start	30127	End	30615
GI	none	Score	.95
Exons	30127..30615		

Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69567	Strand	+
Start	33797	End	34261
Name	OJ000251_39.0218.C2.o7.gs	Method	GENSCAN
Start	33797	End	34261
GI	none	Score	1

Exons	33797..34261		
Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69568	Strand	-
Start	10363	End	14925
Name	OJ000251_39.0218.C2.o2.gs	Method	GENSCAN
Start	10363	End	12627
GI	none	Score	.55
Exons	10363..12627		
Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69568	Strand	-
Start	10363	End	14925
Name	OJ000251_39.0218.C2.o3.np	Method	AAT/NAP
Start	10393	End	14925
GI	4836917	Score	1273
Exons	10393..12198, 14788..14925		
GI Descrip.	(AC007153) 80099 [Arabidopsis thaliana]		
Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69569	Strand	-
Start	23598	End	25022
Name	OJ000251_39.0218.C2.o2.gp	Method	AAT/GAP
Start	23598	End	25022
GI	1275_1.R1084	Score	2777
Exons	23598..25022		
GI Descrip.	'231610/sp|P29790|ATPG_TOBAC 1.0e-135 ATP SYNTHASE GAMMA CHAIN, CHLOROPLAST PRECURSOR >gi_67880_pir__PWNTG H+-transporting ATP synthase (EC 3.6.1.34) gamma chain precursor, chloroplast - common tobacco >gi_19785_emb_CAA45152_ (X63606) ATP synthase (gamma subunit) [Nicotiana tabacum]'		
Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69570	Strand	-
Start	31782	End	32911
Name	OJ000251_39.0218.C2.o4.tm	Method	TBLASTX:Maize
Start	1975	End	2517
GI	none	Score	126
Exons	1975..2124, 1979..2092, 2151..2441, 2152..2517, 2474..2497		
Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69570	Strand	-
Start	31782	End	32911
Name	OJ000251_39.0218.C2.o7.tm	Method	TBLASTX:Maize
Start	4114	End	4597
GI	none	Score	218
Exons	4114..4299, 4116..4292, 4360..4446, 4361..4468, 4463..4492, 4498..4593, 4502..4597		
Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69570	Strand	-
Start	31782	End	32911
Name	OJ000251_39.0218.C2.o3.tm	Method	TBLASTX:Maize
Start	4600	End	5723
GI	none	Score	203
Exons	4600..4764, 4601..4771, 4833..4904, 4926..4967, 4977..5054, 5135..5302, 5185..5283, 5309..5335, 5427..5723		

Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69570	Strand	-
Start	31782	End	32911
Name	OJ000251_39.0218.C2.o3.tc	Method	TBLASTX:Cress
Start	10417	End	11874
GI	none	Score	64
Exons	10417..10749, 10489..10749, 10492..10890, 10552..10764, 10597..10968, 10669..10737, 10669..10920, 10696..11061, 10762..11004, 10804..11046, 10807..11148, 10867..11109, 10885..11280, 10901..11260, 10987..11193, 11002..11181, 11017..11412, 11084..11353, 11092..11298, 11105..11290, 11116..11481, 11203..11319, 11212..11424, 11221..11568, 11293..11496, 11323..11727, 11404..11625, 11420..11668, 11426..11728, 11431..11781, 11432..11614, 11533..11784, 11614..11781, 11639..11794, 11707..11781, 11797..11874		

Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69570	Strand	-
Start	31782	End	32911
Name	OJ000251_39.0218.C2.o2.tm	Method	TBLASTX:Maize
Start	10456	End	11781
GI	none	Score	90
Exons	10456..10731, 10501..10902, 10606..11007, 10642..10716, 10643..10720, 10707..11111, 10708..11112, 10708..11112, 10709..11113, 10816..11217, 10898..11218, 10918..11322, 11008..11427, 11092..11349, 11093..11323, 11131..11532, 11239..11637, 11426..11632, 11485..11559, 11590..11781		

Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69570	Strand	-
Start	31782	End	32911
Name	OJ000251_39.0218.C2.o2.ts	Method	TBLASTX:Soybean
Start	10501	End	11916
GI	none	Score	67
Exons	10501..10614, 10516..11379, 10633..11454, 10642..10740, 10693..10800, 10696..10818, 10705..11556, 10855..11037, 10898..11140, 10912..10983, 11018..11353, 11032..11781, 11045..11350, 11054..11629, 11365..11823, 11426..11623, 11537..11782, 11785..11874, 11878..11916		

Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69570	Strand	-
Start	31782	End	32911
Name	OJ000251_39.0218.C2.o5.tm	Method	TBLASTX:Maize
Start	20375	End	20964
GI	none	Score	66
Exons	20375..20428, 20376..20417, 20378..20428, 20642..20962, 20647..20964		

Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69570	Strand	-
Start	31782	End	32911
Name	OJ000251_39.0218.C2.o4.tc	Method	TBLASTX:Cress
Start	20768	End	21106
GI	none	Score	214
Exons	20768..21106, 20844..20879, 20920..21084		

Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69570	Strand	-
Start	31782	End	32911
Name	OJ000251_39.0218.C2.o3.ts	Method	TBLASTX:Soybean
Start	21263	End	21524
GI	none	Score	168
Exons	21263..21292, 21264..21371, 21345..21410, 21410..21478, 21411..21479, 21483..21524, 21485..21523		

Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69570	Strand	-
Start	31782	End	32911
Name	OJ000251_39.0218.C2.o6.tm	Method	TBLASTX:Maize
Start	21644	End	22441
GI	none	Score	152
Exons	21644..21739, 21645..21755, 21891..22103, 21892..22029, 21893..22093, 22093..22167, 22290..22412, 22295..22408, 22412..22441		

Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69570	Strand	-
Start	31782	End	32911
Name	OJ000251_39.0218.C2.o1.tw	Method	TBLASTX:Wheat
Start	22210	End	22529
GI	none	Score	65
Exons	22210..22299, 22312..22527, 22314..22529, 22328..22528		

Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69570	Strand	-
Start	31782	End	32911
Name	OJ000251_39.0218.C2.o4.ts	Method	TBLASTX:Soybean
Start	22407	End	22579
GI	none	Score	202
Exons	22407..22577, 22412..22579		

Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69570	Strand	-
Start	31782	End	32911
Name	OJ000251_39.0218.C2.o1.tm	Method	TBLASTX:Maize
Start	23688	End	24768
GI	none	Score	64
Exons	23688..23732, 23791..24768, 23793..24767		

Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69570	Strand	-
Start	31782	End	32911
Name	OJ000251_39.0218.C2.o1.tc	Method	TBLASTX:Cress
Start	23794	End	24351
GI	none	Score	614
Exons	23794..24279, 23802..23963, 24018..24245, 24280..24351		

Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69570	Strand	-
Start	31782	End	32911
Name	OJ000251_39.0218.C2.o1.ts	Method	TBLASTX:Soybean
Start	23794	End	24765

GI	none	Score	1255
Exons	23794..24765, 23799..23963, 24018..24590, 24678..24764		

Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69570	Strand	-
Start	31782	End	32911
Name	OJ000251_39.0218.C2.o2.tc	Method	TBLASTX:Cress
Start	24352	End	24762
GI	none	Score	486
Exons	24352..24762, 24363..24590, 24678..24761		

Seq. No.	33569	Seq. ID	OJ000251_39.0218.C2
Gene No.	69570	Strand	-
Start	31782	End	32911
Name	OJ000251_39.0218.C2.o6.gs	Method	GENSCAN
Start	31782	End	32911
GI	none	Score	.47
Exons	31782..32133, 32823..32911		

Seq. No.	33570	Seq. ID	OJ000251_39.0218.C3
Gene No.	69571	Strand	-
Start	2618	End	3006
Name	OJ000251_39.0218.C3.o1.np	Method	AAT/NAP
Start	2618	End	3006
GI	5042454	Score	167
Exons	2618..2671, 2894..3006		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69572	Strand	+
Start	567	End	3707
Name	OJ000251_39.0218.C4.o1.gs	Method	GENSCAN
Start	567	End	3707
GI	none	Score	.93
Exons	567..1828, 1923..2930, 2979..3303, 3363..3707		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69572	Strand	+
Start	567	End	3707
Name	OJ000251_39.0218.C4.o1.np	Method	AAT/NAP
Start	567	End	3704
GI	6907089	Score	4716
Exons	567..1828, 1923..3704		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69573	Strand	+
Start	11064	End	14255
Name	OJ000251_39.0218.C4.o3.np	Method	AAT/NAP
Start	11064	End	13527
GI	5922623	Score	210
Exons	11064..11171, 11550..11669, 11837..11913, 13472..13527		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4

Gene No.	69573	Strand	+
Start	11064	End	14255
Name	OJ000251_39.0218.C4.o4.np	Method	AAT/NAP
Start	12547	End	14252
GI	5922620	Score	112
Exons	12547..12567, 14082..14252		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69573	Strand	+
Start	11064	End	14255
Name	OJ000251_39.0218.C4.o3.gs	Method	GENSCAN
Start	14030	End	14255
GI	none	Score	.46
Exons	14030..14121, 14123..14255		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69574	Strand	+
Start	14529	End	18198
Name	OJ000251_39.0218.C4.o6.np	Method	AAT/NAP
Start	14529	End	18198
GI	5922620	Score	724
Exons	14529..14666, 14999..15023, 15660..15697, 15990..16148, 16196..16372, 16409..16453, 16670..16709, 18068..18198		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69575	Strand	+
Start	18478	End	18626
Name	OJ000251_39.0218.C4.o5.gs	Method	GENSCAN
Start	18478	End	18626
GI	none	Score	.85
Exons	18478..18520, 18538..18626		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69576	Strand	+
Start	19216	End	19899
Name	OJ000251_39.0218.C4.o6.gs	Method	GENSCAN
Start	19216	End	19899
GI	none	Score	.83
Exons	19216..19899		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69577	Strand	+
Start	23852	End	24352
Name	OJ000251_39.0218.C4.o7.gs	Method	GENSCAN
Start	23852	End	24352
GI	none	Score	.44
Exons	23852..24352		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69578	Strand	+
Start	35387	End	35845
Name	OJ000251_39.0218.C4.o9.gs	Method	GENSCAN
Start	35387	End	35845
GI	none	Score	1
Exons	35387..35845		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69579	Strand	+
Start	45837	End	46319
Name	OJ000251_39.0218.C4.o11.gs	Method	GENSCAN
Start	45837	End	46319
GI	none	Score	1
Exons	45837..46319		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69580	Strand	+
Start	47160	End	49109
Name	OJ000251_39.0218.C4.o10.np	Method	AAT/NAP
Start	47160	End	49109
GI	5902381	Score	54
Exons	47160..47200, 48985..49109		
GI Descrip.	(AC009322) Similar to DNAJ proteins [Arabidopsis thaliana]		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69581	Strand	+
Start	49816	End	52093
Name	OJ000251_39.0218.C4.o11.np	Method	AAT/NAP
Start	49816	End	52093
GI	5732053	Score	562
Exons	49816..50257, 50668..50857, 51337..51455, 51978..52093		
GI Descrip.	(AF149414) contains similarity to Pfam family PF00145 (C-5 cytosine-specific DNA methylase); score=10.4. E=0.051, N=1 [Arabidopsis thaliana]		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69581	Strand	+
Start	49816	End	52093
Name	OJ000251_39.0218.C4.o12.gs	Method	GENSCAN
Start	49816	End	52013
GI	none	Score	.7
Exons	49816..50257, 50668..50858, 51930..52013		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69582	Strand	-
Start	4831	End	11551
Name	OJ000251_39.0218.C4.o2.gs	Method	GENSCAN
Start	4831	End	11551
GI	none	Score	.7
Exons	4831..8559, 8623..11031, 11061..11165, 11495..11551		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69582	Strand	-
Start	4831	End	11551
Name	OJ000251_39.0218.C4.o2.np	Method	AAT/NAP

Start	4834	End	10481
GI	6498441	Score	7002
Exons	4834..5115, 5209..6606, 6778..7074, 7267..7693, 7868..8002, 8186..8559, 8623..9086, 9417..10481		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69583	Strand	-
Start	14391	End	15735
Name	OJ000251_39.0218.C4.o5.np	Method	AAT/NAP
Start	14391	End	15735
GI	6630699	Score	77
Exons	14391..14478, 15713..15735		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69584	Strand	-
Start	18337	End	19681
Name	OJ000251_39.0218.C4.o7.np	Method	AAT/NAP
Start	18337	End	19681
GI	6630699	Score	72
Exons	18337..18416, 19660..19681		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69585	Strand	-
Start	22489	End	22592
Name	OJ000251_39.0218.C4.o2.gp	Method	AAT/GAP
Start	22489	End	22592
GI	LIB3477-003-P1-K1-E9	Score	141
Exons	22489..22592		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69586	Strand	-
Start	25451	End	33745
Name	OJ000251_39.0218.C4.o8.gs	Method	GENSCAN
Start	25451	End	33745
GI	none	Score	.4
Exons	25451..25521, 27141..27228, 28213..28305, 28388..28516, 28623..30231, 30334..30580, 30634..30702, 31740..31886, 32045..32093, 32217..32342, 32450..33745		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69587	Strand	-
Start	39204	End	39874
Name	OJ000251_39.0218.C4.o3.gp	Method	AAT/GAP
Start	39204	End	39874
GI	15861_1.R1084	Score	236

Exons	39204..39228, 39700..39874		
GI Descrip.	'3738309 2.0e-72 (AC005309) unknown protein [Arabidopsis thaliana]'		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69588	Strand	-
Start	41257	End	43048
Name	OJ000251_39.0218.C4.o8.np	Method	AAT/NAP
Start	41257	End	43048
GI	6907086	Score	1190
Exons	41257..41373, 41427..41681, 41708..41756, 41977..42223, 42284..43048		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69589	Strand	-
Start	46948	End	52093
Name	OJ000251_39.0218.C4.o6.tw	Method	TBLASTX:Wheat
Start	4843	End	5445
GI	none	Score	77
Exons	4843..4968, 4847..4969, 4996..5037, 5135..5443, 5161..5445, 5162..5440		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69589	Strand	-
Start	46948	End	52093
Name	OJ000251_39.0218.C4.o4.tw	Method	TBLASTX:Wheat
Start	5446	End	5827
GI	none	Score	168
Exons	5446..5826, 5477..5725, 5485..5823, 5771..5827		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69589	Strand	-
Start	46948	End	52093
Name	OJ000251_39.0218.C4.o2.tm	Method	TBLASTX:Maize
Start	5632	End	5964
GI	none	Score	93
Exons	5632..5838, 5641..5964, 5654..5935		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69589	Strand	-
Start	46948	End	52093
Name	OJ000251_39.0218.C4.o8.tw	Method	TBLASTX:Wheat
Start	6157	End	6469
GI	none	Score	67
Exons	6157..6417, 6293..6469		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69589	Strand	-
Start	46948	End	52093
Name	OJ000251_39.0218.C4.o2.ts	Method	TBLASTX:Soybean
Start	6217	End	6783
GI	5666795	Score	68
Exons	6217..6417, 6472..6609, 6685..6783		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4

Gene No.	69589	Strand	-
Start	46948	End	52093
Name	OJ000251_39.0218.C4.o5.tw	Method	TBLASTX:Wheat
Start	6472	End	9932
GI	none	Score	88
Exons	6472..6621, 6473..6610, 6655..6906, 6656..6841, 6676..6930, 9879..9932		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69589	Strand	-
Start	46948	End	52093
Name	OJ000251_39.0218.C4.o1.ts	Method	TBLASTX:Soybean
Start	7531	End	7932
GI	none	Score	90
Exons	7531..7932, 7742..7885		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69589	Strand	-
Start	46948	End	52093
Name	OJ000251_39.0218.C4.o2.tw	Method	TBLASTX:Wheat
Start	7561	End	7980
GI	none	Score	265
Exons	7561..7980, 7568..7882		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69589	Strand	-
Start	46948	End	52093
Name	OJ000251_39.0218.C4.o3.tm	Method	TBLASTX:Maize
Start	7654	End	8038
GI	none	Score	172
Exons	7654..8037, 7673..7894, 7952..8038		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69589	Strand	-
Start	46948	End	52093
Name	OJ000251_39.0218.C4.o1.tm	Method	TBLASTX:Maize
Start	8065	End	8421
GI	none	Score	116
Exons	8065..8370, 8065..8421, 8075..8386		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69589	Strand	-
Start	46948	End	52093
Name	OJ000251_39.0218.C4.o1.tw	Method	TBLASTX:Wheat
Start	8089	End	8552
GI	none	Score	222
Exons	8089..8550, 8095..8550, 8096..8551, 8109..8552		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69589	Strand	-
Start	46948	End	52093
Name	OJ000251_39.0218.C4.o3.ts	Method	TBLASTX:Soybean
Start	8146	End	8511
GI	none	Score	118
Exons	8146..8280, 8287..8511		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4

Gene No.	69589	Strand	-
Start	46948	End	52093
Name	OJ000251_39.0218.C4.o3.tw	Method	TBLASTX:Wheat
Start	8716	End	9202
GI	none	Score	162
Exons	8716..9201, 8747..9007, 8752..9150, 9029..9202		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69589	Strand	-
Start	46948	End	52093
Name	OJ000251_39.0218.C4.o7.tw	Method	TBLASTX:Wheat
Start	9940	End	10332
GI	none	Score	95
Exons	9940..10197, 9974..10213, 10180..10278, 10181..10273, 10285..10332		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69589	Strand	-
Start	46948	End	52093
Name	OJ000251_39.0218.C4.o4.tm	Method	TBLASTX:Maize
Start	10042	End	10327
GI	none	Score	92
Exons	10042..10290, 10043..10327		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69589	Strand	-
Start	46948	End	52093
Name	OJ000251_39.0218.C4.o5.tm	Method	TBLASTX:Maize
Start	39701	End	39885
GI	none	Score	72
Exons	39701..39754, 39701..39754, 39749..39790, 39759..39785, 39784..39885, 39785..39880		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69589	Strand	-
Start	46948	End	52093
Name	OJ000251_39.0218.C4.o9.tw	Method	TBLASTX:Wheat
Start	39704	End	39885
GI	none	Score	82
Exons	39704..39769, 39704..39754, 39775..39885, 39776..39880		

Seq. No.	33571	Seq. ID	OJ000251_39.0218.C4
Gene No.	69589	Strand	-
Start	46948	End	52093
Name	OJ000251_39.0218.C4.o9.np	Method	AAT/NAP
Start	46948	End	52093
GI	5777618	Score	45
Exons	46948..47082, 52058..52093		
GI Descrip.	(AJ245900) CAA30376.1 protein [Oryza sativa]		

Seq. No.	33572	Seq. ID	OJ000251_39.0218.C5
Gene No.	69590	Strand	+
Start	1	End	1040
Name	OJ000251_39.0218.C5.o1.np	Method	AAT/NAP
Start	1	End	1040
GI	5732053	Score	558
Exons	1..1040		

GI Descrip.	(AF149414) contains similarity to Pfam family PF00145 (C-5 cytosine-specific DNA methylase); score=10.4. E=0.051, N=1 [Arabidopsis thaliana]		
Seq. No.	33572	Seq. ID	OJ000251_39.0218.C5
Gene No.	69590	Strand	+
Start	1	End	1040
Name	OJ000251_39.0218.C5.o1.gs	Method	GENSCAN
Start	138	End	640
GI	none	Score	.62
Exons	138..640		
Seq. No.	33573	Seq. ID	OJ000251_39.0218.C6
Gene No.	69591	Strand	+
Start	491	End	1121
Name	OJ000251_39.0218.C6.o1.np	Method	AAT/NAP
Start	491	End	1121
GI	2498930	Score	718
Exons	491..551, 719..1121		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	33574	Seq. ID	OJ000251_39.0218.C7
Gene No.	69592	Strand	-
Start	118	End	586
Name	OJ000251_39.0218.C7.o1.gs	Method	GENSCAN
Start	118	End	586
GI	none	Score	.54
Exons	118..156, 270..308, 350..476, 542..586		
Seq. No.	33575	Seq. ID	OJ000251_39.0218.C8
Gene No.	69593	Strand	+
Start	178	End	925
Name	OJ000251_39.0218.C8.o1.gs	Method	GENSCAN
Start	178	End	925
GI	none	Score	.97
Exons	178..460, 618..925		
Seq. No.	33575	Seq. ID	OJ000251_39.0218.C8
Gene No.	69594	Strand	+
Start	3034	End	4867
Name	OJ000251_39.0218.C8.o1.np	Method	AAT/NAP
Start	2856	End	4628
GI	6907086	Score	1189
Exons	2856..3622, 3685..3915, 4124..4180, 4262..4628		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	33575	Seq. ID	OJ000251_39.0218.C8
Gene No.	69594	Strand	+
Start	3034	End	4867
Name	OJ000251_39.0218.C8.o3.gs	Method	GENSCAN
Start	3034	End	4867
GI	none	Score	.69
Exons	3034..3212, 3273..3571, 4773..4867		
Seq. No.	33575	Seq. ID	OJ000251_39.0218.C8
Gene No.	69595	Strand	-

Start	948	End	1870
Name	OJ000251_39.0218.C8.o1.gp	Method	AAT/GAP
Start	948	End	1448
GI	38782_1.R1084	Score	748
Exons	948..1448		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	33575	Seq. ID	OJ000251_39.0218.C8
Gene No.	69595	Strand	-
Start	948	End	1870
Name	OJ000251_39.0218.C8.o2.gs	Method	GENSCAN
Start	1242	End	1870
GI	none	Score	.83
Exons	1242..1315, 1780..1870		

Seq. No.	33576	Seq. ID	OJ000251_39.0218.C9
Gene No.	69596	Strand	+
Start	37	End	246
Name	OJ000251_39.0218.C9.o1.gs	Method	GENSCAN
Start	37	End	246
GI	none	Score	.75
Exons	37..246		

Seq. No.	33576	Seq. ID	OJ000251_39.0218.C9
Gene No.	69597	Strand	-
Start	2085	End	2177
Name	OJ000251_39.0218.C9.o1.np	Method	AAT/NAP
Start	2085	End	2177
GI	5922634	Score	73
Exons	2085..2177		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	33577	Seq. ID	OJ000251_39.0218.C10
Gene No.	69598	Strand	-
Start	239	End	3651
Name	OJ000251_39.0218.C10.o1.gs	Method	GENSCAN
Start	239	End	3651
GI	none	Score	.61
Exons	239..749, 2063..2353, 2493..2650, 2746..3280, 3434..3651		

Seq. No.	33577	Seq. ID	OJ000251_39.0218.C10
Gene No.	69598	Strand	-
Start	239	End	3651
Name	OJ000251_39.0218.C10.o1.tm	Method	TBLASTX:Maize
Start	1909	End	2337
GI	none	Score	219
Exons	1909..2013, 2026..2337		

Seq. No.	33577	Seq. ID	OJ000251_39.0218.C10
Gene No.	69598	Strand	-
Start	239	End	3651
Name	OJ000251_39.0218.C10.o1.tw	Method	TBLASTX:Wheat
Start	1924	End	2341
GI	none	Score	46

Exons	1924..2013, 2026..2337, 2047..2211, 2267..2341		
Seq. No.	33577	Seq. ID	OJ000251_39.0218.C10
Gene No.	69598	Strand	-
Start	239	End	3651
Name	OJ000251_39.0218.C10.o1.np	Method	AAT/NAP
Start	1927	End	2577
GI	4586038	Score	256
Exons	1927..2343, 2486..2577		
GI Descrip.	(AC007109) putative heat shock protein [Arabidopsis thaliana]		
Seq. No.	33577	Seq. ID	OJ000251_39.0218.C10
Gene No.	69598	Strand	-
Start	239	End	3651
Name	OJ000251_39.0218.C10.o1.ts	Method	TBLASTX:Soybean
Start	1930	End	2316
GI	none	Score	210
Exons	1930..2013, 2026..2316		
Seq. No.	33578	Seq. ID	OJ000251_39.0218.C11
Gene No.	69599	Strand	+
Start	2192	End	2772
Name	OJ000251_39.0218.C11.o1.gs	Method	GENSCAN
Start	2192	End	2772
GI	none	Score	.83
Exons	2192..2772		
Seq. No.	33578	Seq. ID	OJ000251_39.0218.C11
Gene No.	69600	Strand	+
Start	6588	End	6830
Name	OJ000251_39.0218.C11.o3.gs	Method	GENSCAN
Start	6588	End	6830
GI	none	Score	.84
Exons	6588..6830		
Seq. No.	33578	Seq. ID	OJ000251_39.0218.C11
Gene No.	69601	Strand	-
Start	3781	End	5386
Name	OJ000251_39.0218.C11.o2.gs	Method	GENSCAN
Start	3781	End	5386
GI	none	Score	.5
Exons	3781..3831, 4790..4997, 5205..5386		
Seq. No.	33578	Seq. ID	OJ000251_39.0218.C11
Gene No.	69602	Strand	-
Start	8574	End	9167
Name	OJ000251_39.0218.C11.o4.gs	Method	GENSCAN
Start	8574	End	9167
GI	none	Score	.78
Exons	8574..8707, 9050..9167		
Seq. No.	33578	Seq. ID	OJ000251_39.0218.C11
Gene No.	69603	Strand	-
Start	10095	End	10187
Name	OJ000251_39.0218.C11.o2.gp	Method	AAT/GAP
Start	10095	End	10187
GI	uC-osflcyp022c06b2	Score	142

Exons	10095..10187		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 8.0e-25 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		
Seq. No.	33579	Seq. ID	OJ000251_39.0218.C12
Gene No.	69604	Strand	-
Start	1	End	639
Name	OJ000251_39.0218.C12.o1.np	Method	AAT/NAP
Start	1	End	639
GI	2126090	Score	1133
Exons	1..639		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi|455676|bbs|140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli] gi|6634720|gb|AAF19728.1|AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]		
Seq. No.	33579	Seq. ID	OJ000251_39.0218.C12
Gene No.	69604	Strand	-
Start	1	End	639
Name	OJ000251_39.0218.C12.o1.gs	Method	GENSCAN
Start	94	End	639
GI	none	Score	.53
Exons	94..639		
Seq. No.	33579	Seq. ID	OJ000251_39.0218.C12
Gene No.	69605	Strand	
Start	599	End	750
Name	OJ000251_39.0218.C12.o1.tc	Method	TBLASTX:Cress
Start	599	End	750
GI	none	Score	191
Exons	599..745, 599..718, 601..750, 601..747		
Seq. No.	33580	Seq. ID	OJ000251_39.0218.C13
Gene No.	69606	Strand	-
Start	32	End	589
Name	OJ000251_39.0218.C13.o1.gs	Method	GENSCAN
Start	32	End	589
GI	none	Score	.61
Exons	32..589		
Seq. No.	33581	Seq. ID	OJ000251_35.0218.C1
Gene No.	69607	Strand	+
Start	460	End	528
Name	OJ000251_35.0218.C1.o1.gs	Method	GENSCAN
Start	460	End	528
GI	none	Score	.89
Exons	460..528		
Seq. No.	33582	Seq. ID	OJ000251_35.0218.C2
Gene No.	69608	Strand	+
Start	140	End	408
Name	OJ000251_35.0218.C2.o1.gs	Method	GENSCAN
Start	140	End	408
GI	none	Score	.68
Exons	140..408		

Seq. No.	33583	Seq. ID	OJ000251_35.0218.C4
Gene No.	69609	Strand	+
Start	1	End	1392
Name	OJ000251_35.0218.C4.o1.np	Method	AAT/NAP
Start	1	End	1392
GI	4680203	Score	554
Exons	1..23, 453..1392		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33583	Seq. ID	OJ000251_35.0218.C4
Gene No.	69609	Strand	+
Start	1	End	1392
Name	OJ000251_35.0218.C4.o1.gs	Method	GENSCAN
Start	417	End	1367
GI	none	Score	.59
Exons	417..1367		

Seq. No.	33583	Seq. ID	OJ000251_35.0218.C4
Gene No.	69610	Strand	+
Start	5444	End	7456
Name	OJ000251_35.0218.C4.o2.np	Method	AAT/NAP
Start	5444	End	7456
GI	6815109	Score	144
Exons	5444..5509, 6615..6869, 7385..7456		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	33583	Seq. ID	OJ000251_35.0218.C4
Gene No.	69611	Strand	-
Start	4579	End	7074
Name	OJ000251_35.0218.C4.o1.tc	Method	TBLASTX:Cress
Start	402	End	776
GI	none	Score	207
Exons	402..608, 503..595, 603..776, 644..772		

Seq. No.	33583	Seq. ID	OJ000251_35.0218.C4
Gene No.	69611	Strand	-
Start	4579	End	7074
Name	OJ000251_35.0218.C4.o1.tw	Method	TBLASTX:Wheat
Start	402	End	1313
GI	none	Score	225
Exons	402..608, 503..595, 603..785, 644..688, 809..949, 816..980, 960..1016, 973..1014, 1017..1070, 1022..1054, 1088..1180, 1089..1193, 1194..1313		

Seq. No.	33583	Seq. ID	OJ000251_35.0218.C4
Gene No.	69611	Strand	-
Start	4579	End	7074
Name	OJ000251_35.0218.C4.o1.ts	Method	TBLASTX:Soybean
Start	1002	End	1250
GI	none	Score	227
Exons	1002..1250, 1004..1231		

Seq. No.	33583	Seq. ID	OJ000251_35.0218.C4
Gene No.	69611	Strand	-
Start	4579	End	7074
Name	OJ000251_35.0218.C4.o2.gs	Method	GENSCAN

Start	4579	End	7074
GI	none	Score	.7
Exons	4579..4800, 6910..7074		

Seq. No.	33584	Seq. ID	OJ000251_35.0218.C5
Gene No.	69612	Strand	-
Start	1	End	2744
Name	OJ000251_35.0218.C5.o1.np	Method	AAT/NAP
Start	1	End	2744
GI	4680204	Score	239
Exons	1..66, 1457..1584, 2116..2744		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	33584	Seq. ID	OJ000251_35.0218.C5
Gene No.	69612	Strand	-
Start	1	End	2744
Name	OJ000251_35.0218.C5.o1.gs	Method	GENSCAN
Start	296	End	1537
GI	none	Score	.79
Exons	296..493, 757..888, 966..1004, 1131..1537		

Seq. No.	33584	Seq. ID	OJ000251_35.0218.C5
Gene No.	69612	Strand	-
Start	1	End	2744
Name	OJ000251_35.0218.C5.o2.gs	Method	GENSCAN
Start	1829	End	2494
GI	none	Score	.82
Exons	1829..2494		

Seq. No.	33585	Seq. ID	OJ000251_35.0218.C6
Gene No.	69613	Strand	+
Start	6544	End	11236
Name	OJ000251_35.0218.C6.o1.gp	Method	AAT/GAP
Start	6544	End	7131
GI	2310235	Score	303
Exons	6544..6581, 6992..7131		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	33585	Seq. ID	OJ000251_35.0218.C6
Gene No.	69613	Strand	+
Start	6544	End	11236
Name	OJ000251_35.0218.C6.o1.np	Method	AAT/NAP
Start	6992	End	10283
GI	4680203	Score	3313
Exons	6992..8665, 8799..9029, 9306..10283		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33585	Seq. ID	OJ000251_35.0218.C6
Gene No.	69613	Strand	+
Start	6544	End	11236
Name	OJ000251_35.0218.C6.o3.gs	Method	GENSCAN
Start	6992	End	10304
GI	none	Score	.56
Exons	6992..8188, 8216..8707, 8730..9570, 9751..10304		

Seq. No.	33585	Seq. ID	OJ000251_35.0218.C6

Gene No.	69613	Strand	+
Start	6544	End	11236
Name	OJ000251_35.0218.C6.o2.gp	Method	AAT/GAP
Start	6996	End	11085
GI	342_1.R1084	Score	6639
Exons	6996..10388, 10507..10611, 10721..11085		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	33585	Seq. ID	OJ000251_35.0218.C6
Gene No.	69613	Strand	+
Start	6544	End	11236
Name	OJ000251_35.0218.C6.o6.gp	Method	AAT/GAP
Start	6996	End	11058
GI	342_1.R1084	Score	6589
Exons	6996..10388, 10507..10611, 10721..11058		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	33585	Seq. ID	OJ000251_35.0218.C6
Gene No.	69613	Strand	+
Start	6544	End	11236
Name	OJ000251_35.0218.C6.o5.gp	Method	AAT/GAP
Start	6996	End	11064
GI	342_1.R1084	Score	6601
Exons	6996..10388, 10507..10611, 10721..11064		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	33585	Seq. ID	OJ000251_35.0218.C6
Gene No.	69613	Strand	+
Start	6544	End	11236
Name	OJ000251_35.0218.C6.o3.gp	Method	AAT/GAP
Start	6996	End	11087
GI	342_1.R1084	Score	6643
Exons	6996..10388, 10507..10611, 10721..11087		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	33585	Seq. ID	OJ000251_35.0218.C6
Gene No.	69613	Strand	+
Start	6544	End	11236
Name	OJ000251_35.0218.C6.o4.gp	Method	AAT/GAP
Start	6996	End	11066
GI	342_1.R1084	Score	6605
Exons	6996..10388, 10507..10611, 10721..11066		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	33585	Seq. ID	OJ000251_35.0218.C6
Gene No.	69613	Strand	+
Start	6544	End	11236
Name	OJ000251_35.0218.C6.o7.gp	Method	AAT/GAP
Start	7139	End	11236
GI	342_1.R1084	Score	6706
Exons	7139..10388, 10507..10611, 10721..11236		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza		

sativa]'

Seq. No.	33585	Seq. ID	OJ000251_35.0218.C6
Gene No.	69613	Strand	+
Start	6544	End	11236
Name	OJ000251_35.0218.C6.o8.gp	Method	AAT/GAP
Start	7143	End	11236
GI	342_1.R1084	Score	6705
Exons	7143..10388, 10507..10611, 10721..11236		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	33585	Seq. ID	OJ000251_35.0218.C6
Gene No.	69614	Strand	-
Start	3497	End	4088
Name	OJ000251_35.0218.C6.o2.gs	Method	GENSCAN
Start	3497	End	4088
GI	none	Score	.82
Exons	3497..3586, 4068..4088		

Seq. No.	33585	Seq. ID	OJ000251_35.0218.C6
Gene No.	69615	Strand	
Start	7343	End	7699
Name	OJ000251_35.0218.C6.o4.tw	Method	TBLASTX:Wheat
Start	7343	End	7699
GI	none	Score	95
Exons	7343..7450, 7362..7592, 7433..7684, 7434..7637, 7441..7683, 7442..7699, 7444..7686		

Seq. No.	33585	Seq. ID	OJ000251_35.0218.C6
Gene No.	69616	Strand	
Start	7616	End	8488
Name	OJ000251_35.0218.C6.o1.ts	Method	TBLASTX:Soybean
Start	7616	End	8044
GI	none	Score	97
Exons	7616..7690, 7691..7753, 7748..8044, 7802..8026		

Seq. No.	33585	Seq. ID	OJ000251_35.0218.C6
Gene No.	69616	Strand	
Start	7616	End	8488
Name	OJ000251_35.0218.C6.o2.tc	Method	TBLASTX:Cress
Start	7777	End	8125
GI	none	Score	309
Exons	7777..7929, 7784..8125, 7969..8106		

Seq. No.	33585	Seq. ID	OJ000251_35.0218.C6
Gene No.	69616	Strand	
Start	7616	End	8488
Name	OJ000251_35.0218.C6.o2.tw	Method	TBLASTX:Wheat
Start	7913	End	8382
GI	none	Score	72
Exons	7913..7966, 7921..7965, 7967..8071, 7978..8067, 8075..8173, 8080..8172, 8153..8377, 8173..8382, 8176..8382		

Seq. No.	33585	Seq. ID	OJ000251_35.0218.C6
Gene No.	69616	Strand	
Start	7616	End	8488

Name	OJ000251_35.0218.C6.o1.tm	Method	TBLASTX:Maize
Start	7958	End	8416
GI	none	Score	235
Exons	7958..8206, 7970..8203, 7978..8211, 8222..8416		

Seq. No.	33585	Seq. ID	OJ000251_35.0218.C6
Gene No.	69616	Strand	
Start	7616	End	8488
Name	OJ000251_35.0218.C6.o2.ts	Method	TBLASTX:Soybean
Start	8246	End	8488
GI	none	Score	216
Exons	8246..8488		

Seq. No.	33585	Seq. ID	OJ000251_35.0218.C6
Gene No.	69617	Strand	
Start	8477	End	8897
Name	OJ000251_35.0218.C6.o3.tw	Method	TBLASTX:Wheat
Start	8477	End	8897
GI	none	Score	102
Exons	8477..8593, 8479..8622, 8600..8746, 8602..8748, 8730..8897, 8730..8888, 8822..8896		

Seq. No.	33585	Seq. ID	OJ000251_35.0218.C6
Gene No.	69618	Strand	
Start	8912	End	10229
Name	OJ000251_35.0218.C6.o1.tw	Method	TBLASTX:Wheat
Start	8912	End	10229
GI	none	Score	880
Exons	8912..9643, 8913..9830, 9498..9815, 9825..9869, 9829..9864, 9872..9967, 9876..9935, 9914..10054, 9915..10055, 10068..10148, 10137..10229		

Seq. No.	33585	Seq. ID	OJ000251_35.0218.C6
Gene No.	69618	Strand	
Start	8912	End	10229
Name	OJ000251_35.0218.C6.o2.tm	Method	TBLASTX:Maize
Start	8955	End	9269
GI	none	Score	318
Exons	8955..9269, 8966..9241, 9039..9269		

Seq. No.	33585	Seq. ID	OJ000251_35.0218.C6
Gene No.	69618	Strand	
Start	8912	End	10229
Name	OJ000251_35.0218.C6.o1.tc	Method	TBLASTX:Cress
Start	9196	End	9648
GI	none	Score	175
Exons	9196..9378, 9200..9637, 9200..9643, 9204..9647, 9210..9647, 9397..9648		

Seq. No.	33586	Seq. ID	OJ000251_35.0218.C7
Gene No.	69619	Strand	+
Start	1	End	4825
Name	OJ000251_35.0218.C7.o1.gp	Method	AAT/GAP
Start	1	End	4825
GI	LIB3477-003-P1-K1-E9	Score	159
Exons	1..84, 4788..4825		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY		

S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	33586	Seq. ID	OJ000251_35.0218.C7
Gene No.	69619	Strand	+
Start	1	End	4825
Name	OJ000251_35.0218.C7.o1.np	Method	AAT/NAP
Start	875	End	4568
GI	4680204	Score	1048
Exons	875..2310, 2385..3481, 3591..3764, 3861..4080, 4431..4568		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	33586	Seq. ID	OJ000251_35.0218.C7
Gene No.	69619	Strand	+
Start	1	End	4825
Name	OJ000251_35.0218.C7.o1.gs	Method	GENSCAN
Start	890	End	4586
GI	none	Score	.66
Exons	890..2146, 2173..2310, 2385..2526, 2710..3481, 3591..3764, 3861..3971, 4223..4352, 4401..4586		

Seq. No.	33586	Seq. ID	OJ000251_35.0218.C7
Gene No.	69620	Strand	-
Start	4865	End	5005
Name	OJ000251_35.0218.C7.o2.gp	Method	AAT/GAP
Start	4865	End	5005
GI	21474_1.R1084	Score	229
Exons	4865..5005		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	33586	Seq. ID	OJ000251_35.0218.C7
Gene No.	69621	Strand	-
Start	8715	End	12278
Name	OJ000251_35.0218.C7.o1.tw	Method	TBLASTX:Wheat
Start	1518	End	1921
GI	none	Score	60
Exons	1518..1658, 1518..1634, 1520..1756, 1520..1669, 1621..1788, 1751..1921		

Seq. No.	33586	Seq. ID	OJ000251_35.0218.C7
Gene No.	69621	Strand	-
Start	8715	End	12278
Name	OJ000251_35.0218.C7.o2.tw	Method	TBLASTX:Wheat
Start	3408	End	3930
GI	none	Score	60
Exons	3408..3488, 3577..3759, 3627..3752, 3859..3930		

Seq. No.	33586	Seq. ID	OJ000251_35.0218.C7
Gene No.	69621	Strand	-
Start	8715	End	12278
Name	OJ000251_35.0218.C7.o2.gs	Method	GENSCAN
Start	8715	End	12278
GI	none	Score	.5
Exons	8715..8813, 8847..8954, 9027..9061, 12119..12278		

Seq. No.	33586	Seq. ID	OJ000251_35.0218.C7

Gene No.	69621	Strand	-
Start	8715	End	12278
Name	OJ000251_35.0218.C7.o3.gp	Method	AAT/GAP
Start	10496	End	10771
GI	LIB3434-035-P1-K1-A7	Score	342
Exons	10496..10771		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	33587	Seq. ID	OJ000251_35.0218.C8
Gene No.	69622	Strand	+
Start	284	End	2510
Name	OJ000251_35.0218.C8.o1.np	Method	AAT/NAP
Start	284	End	2495
GI	4836883	Score	401
Exons	284..492, 651..1114, 1333..1601, 1721..1820, 1915..2031, 2281..2495		
GI Descrip.	(AC007260) lcl|prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	33587	Seq. ID	OJ000251_35.0218.C8
Gene No.	69622	Strand	+
Start	284	End	2510
Name	OJ000251_35.0218.C8.o2.tc	Method	TBLASTX:Cress
Start	305	End	1601
GI	none	Score	186
Exons	305..499, 358..441, 636..794, 646..978, 1425..1601		

Seq. No.	33587	Seq. ID	OJ000251_35.0218.C8
Gene No.	69622	Strand	+
Start	284	End	2510
Name	OJ000251_35.0218.C8.o1.gs	Method	GENSCAN
Start	401	End	2183
GI	none	Score	.81
Exons	401..419, 770..975, 1073..1225, 1350..1601, 1721..1810, 1908..1986, 2077..2183		

Seq. No.	33587	Seq. ID	OJ000251_35.0218.C8
Gene No.	69622	Strand	+
Start	284	End	2510
Name	OJ000251_35.0218.C8.o1.gp	Method	AAT/GAP
Start	939	End	2413
GI	32731_1:R1084	Score	1530
Exons	939..975, 1073..1225, 1350..1601, 1721..1810, 1908..1986, 2077..2183, 2286..2413		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	33587	Seq. ID	OJ000251_35.0218.C8
Gene No.	69622	Strand	+
Start	284	End	2510
Name	OJ000251_35.0218.C8.o2.np	Method	AAT/NAP
Start	1422	End	2510
GI	6635860	Score	313
Exons	1422..1601, 1721..1788, 1888..1986, 2077..2183, 2286..2510		
GI Descrip.	(AF216313) cytochrome P450 [Helianthus annuus]		

Seq. No.	33587	Seq. ID	OJ000251_35.0218.C8
Gene No.	69622	Strand	+
Start	284	End	2510
Name	OJ000251_35.0218.C8.o1.tc	Method	TBLASTX:Cress
Start	1714	End	2417
GI	none	Score	69
Exons	1714..1788, 1718..1816, 1896..1988, 1907..1987, 2076..2180, 2076..2180, 2301..2417, 2309..2386		

Seq. No.	33587	Seq. ID	OJ000251_35.0218.C8
Gene No.	69622	Strand	+
Start	284	End	2510
Name	OJ000251_35.0218.C8.o1.tm	Method	TBLASTX:Maize
Start	1714	End	2201
GI	none	Score	59
Exons	1714..1812, 1714..1815, 1718..1816, 1881..1988, 2076..2201, 2076..2180		

Seq. No.	33588	Seq. ID	OJ000251_35.0218.C9
Gene No.	69623	Strand	+
Start	979	End	2270
Name	OJ000251_35.0218.C9.o1.gs	Method	GENSCAN
Start	979	End	2270
GI	none	Score	.75
Exons	979..1088, 1973..2270		

Seq. No.	33588	Seq. ID	OJ000251_35.0218.C9
Gene No.	69624	Strand	-
Start	238	End	624
Name	OJ000251_35.0218.C9.o1.gp	Method	AAT/GAP
Start	238	End	624
GI	32731_1.R1084	Score	639
Exons	238..624		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	33588	Seq. ID	OJ000251_35.0218.C9
Gene No.	69625	Strand	-
Start	1970	End	7688
Name	OJ000251_35.0218.C9.o1.np	Method	AAT/NAP
Start	1970	End	7688
GI	5852180	Score	401
Exons	1970..1986, 6357..6400, 7106..7517, 7569..7688		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	33588	Seq. ID	OJ000251_35.0218.C9
Gene No.	69625	Strand	-
Start	1970	End	7688
Name	OJ000251_35.0218.C9.o2.gs	Method	GENSCAN
Start	5548	End	7351
GI	none	Score	.81
Exons	5548..5714, 7069..7351		

Seq. No.	33589	Seq. ID	OJ000251_35.0218.C10
Gene No.	69626	Strand	+
Start	706	End	1088
Name	OJ000251_35.0218.C10.o2.gp	Method	AAT/GAP

Start	706	End	1088
GI	uC-osflcyp033a04b1	Score	656
Exons	706..1088		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	33589	Seq. ID	OJ000251_35.0218.C10
Gene No.	69627	Strand	+
Start	2583	End	3586
Name	OJ000251_35.0218.C10.o2.np	Method	AAT/NAP
Start	2580	End	3586
GI	2443320	Score	1207
Exons	2580..3586		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	33589	Seq. ID	OJ000251_35.0218.C10
Gene No.	69627	Strand	+
Start	2583	End	3586
Name	OJ000251_35.0218.C10.o2.gs	Method	GENSCAN
Start	2583	End	3251
GI	none	Score	.71
Exons	2583..3251		

Seq. No.	33589	Seq. ID	OJ000251_35.0218.C10
Gene No.	69628	Strand	-
Start	138	End	1995
Name	OJ000251_35.0218.C10.o1.gs	Method	GENSCAN
Start	138	End	1995
GI	none	Score	.5
Exons	138..214, 686..840, 937..990, 1579..1627, 1896..1995		

Seq. No.	33589	Seq. ID	OJ000251_35.0218.C10
Gene No.	69628	Strand	-
Start	138	End	1995
Name	OJ000251_35.0218.C10.o1.np	Method	AAT/NAP
Start	639	End	840
GI	4680186	Score	313
Exons	639..840		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	33589	Seq. ID	OJ000251_35.0218.C10
Gene No.	69629	Strand	
Start	2778	End	3124
Name	OJ000251_35.0218.C10.o1.tw	Method	TBLASTX:Wheat
Start	2778	End	3124
GI	none	Score	220
Exons	2778..3122, 2957..3124		

Seq. No.	33590	Seq. ID	OJ000251_35.0218.C11
Gene No.	69630	Strand	-
Start	1	End	925
Name	OJ000251_35.0218.C11.o1.gp	Method	AAT/GAP
Start	1	End	724
GI	342_1.R1084	Score	1082
Exons	1..724		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	33590	Seq. ID	OJ000251_35.0218.C11
Gene No.	69630	Strand	-
Start	1	End	925
Name	OJ000251_35.0218.C11.o1.np	Method	AAT/NAP
Start	1	End	925
GI	6742729	Score	960
Exons	1..925		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	33590	Seq. ID	OJ000251_35.0218.C11
Gene No.	69630	Strand	-
Start	1	End	925
Name	OJ000251_35.0218.C11.o1.gs	Method	GENSCAN
Start	22	End	600
GI	none	Score	.41
Exons	22..211, 234..600		

Seq. No.	33590	Seq. ID	OJ000251_35.0218.C11
Gene No.	69630	Strand	-
Start	1	End	925
Name	OJ000251_35.0218.C11.o2.tw	Method	TBLASTX:Wheat
Start	24	End	200
GI	none	Score	117
Exons	24..140, 24..131, 141..200		

Seq. No.	33590	Seq. ID	OJ000251_35.0218.C11
Gene No.	69630	Strand	-
Start	1	End	925
Name	OJ000251_35.0218.C11.o1.ts	Method	TBLASTX:Soybean
Start	235	End	477
GI	none	Score	193
Exons	235..477		

Seq. No.	33590	Seq. ID	OJ000251_35.0218.C11
Gene No.	69630	Strand	-
Start	1	End	925
Name	OJ000251_35.0218.C11.o1.tm	Method	TBLASTX:Maize
Start	307	End	684
GI	none	Score	69
Exons	307..501, 511..684, 512..676		

Seq. No.	33590	Seq. ID	OJ000251_35.0218.C11
Gene No.	69630	Strand	-
Start	1	End	925
Name	OJ000251_35.0218.C11.o1.tw	Method	TBLASTX:Wheat
Start	341	End	718
GI	none	Score	139
Exons	341..547, 346..549, 346..549, 548..640, 550..648, 551..643, 652..684, 656..682, 670..717, 686..718		

Seq. No.	33591	Seq. ID	OJ000251_35.0218.C13
Gene No.	69631	Strand	+
Start	173	End	422
Name	OJ000251_35.0218.C13.o1.gs	Method	GENSCAN
Start	173	End	422
GI	none	Score	.87

Exons	173..422		
Seq. No.	33592	Seq. ID	OJ000251_35.0218.C14
Gene No.	69632	Strand	+
Start	478	End	651
Name	OJ000251_35.0218.C14.o1.gs	Method	GENSCAN
Start	478	End	599
GI	none	Score	.96
Exons	478..599		
Seq. No.	33592	Seq. ID	OJ000251_35.0218.C14
Gene No.	69632	Strand	+
Start	478	End	651
Name	OJ000251_35.0218.C14.o1.np	Method	AAT/NAP
Start	478	End	651
GI	5852182	Score	199
Exons	478..651		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	33593	Seq. ID	OJ000251_35.0218.C16
Gene No.	69633	Strand	
Start	93	End	240
Name	OJ000251_35.0218.C16.o1.tm	Method	TBLASTX:Maize
Start	93	End	240
GI	none	Score	225
Exons	93..230, 96..227, 97..240		
Seq. No.	33594	Seq. ID	OJ000251_35.0218.C17
Gene No.	69634	Strand	+
Start	101	End	220
Name	OJ000251_35.0218.C17.o1.gs	Method	GENSCAN
Start	101	End	220
GI	none	Score	.68
Exons	101..220		
Seq. No.	33595	Seq. ID	OJ000251_35.0218.C20
Gene No.	69635	Strand	-
Start	194	End	529
Name	OJ000251_35.0218.C20.o1.gs	Method	GENSCAN
Start	194	End	529
GI	none	Score	.77
Exons	194..292, 405..529		
Seq. No.	33596	Seq. ID	OJ000251_35.0218.C24
Gene No.	69636	Strand	+
Start	285	End	8872
Name	OJ000251_35.0218.C24.o1.gs	Method	GENSCAN
Start	285	End	8872
GI	none	Score	.8
Exons	285..330, 407..497, 982..1041, 1461..1653, 2517..2713, 3626..3727, 3855..3965, 4753..4851, 5378..5465, 5571..5698, 5816..5947, 6023..6112, 6242..6550, 7078..7180, 7352..7454, 7939..8018, 8092..8237, 8804..8872		
Seq. No.	33596	Seq. ID	OJ000251_35.0218.C24
Gene No.	69636	Strand	+
Start	285	End	8872

Name	OJ000251_35.0218.C24.o1.np	Method	AAT/NAP
Start	390	End	4863
GI	6562295	Score	503
Exons	390..497, 982..1041, 1461..1724, 2542..2713, 3626..3727, 3855..3965, 4601..4666, 4753..4863		
GI Descrip.	(AL133421) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	33596	Seq. ID	OJ000251_35.0218.C24
Gene No.	69637	Strand	-
Start	10143	End	10444
Name	OJ000251_35.0218.C24.o2.tm	Method	TBLASTX:Maize
Start	7147	End	7469
GI	none	Score	140
Exons	7147..7263, 7153..7260, 7154..7261, 7349..7468, 7350..7469, 7353..7469		

Seq. No.	33596	Seq. ID	OJ000251_35.0218.C24
Gene No.	69637	Strand	-
Start	10143	End	10444
Name	OJ000251_35.0218.C24.o1.ts	Method	TBLASTX:Soybean
Start	7597	End	8228
GI	none	Score	164
Exons	7597..7740, 7601..7744, 7894..8019, 7943..8023, 8090..8206, 8091..8228		

Seq. No.	33596	Seq. ID	OJ000251_35.0218.C24
Gene No.	69637	Strand	-
Start	10143	End	10444
Name	OJ000251_35.0218.C24.o1.tm	Method	TBLASTX:Maize
Start	7940	End	8869
GI	none	Score	126
Exons	7940..8023, 7942..8019, 8075..8224, 8090..8221, 8091..8228, 8819..8869		

Seq. No.	33596	Seq. ID	OJ000251_35.0218.C24
Gene No.	69637	Strand	-
Start	10143	End	10444
Name	OJ000251_35.0218.C24.o2.gs	Method	GENSCAN
Start	10143	End	10356
GI	none	Score	.91
Exons	10143..10356		

Seq. No.	33596	Seq. ID	OJ000251_35.0218.C24
Gene No.	69637	Strand	-
Start	10143	End	10444
Name	OJ000251_35.0218.C24.o2.np	Method	AAT/NAP
Start	10149	End	10444
GI	3695392	Score	102
Exons	10149..10444		
GI Descrip.	(AF096371) No definition line found [Arabidopsis thaliana]		

Seq. No.	33597	Seq. ID	OJ000251_35.0218.C25
Gene No.	69638	Strand	+
Start	4604	End	6678
Name	OJ000251_35.0218.C25.o3.np	Method	AAT/NAP
Start	4538	End	6678
GI	6730737	Score	254

Exons	4538..5109, 5179..5523, 6647..6678		
GI Descrip.	(AC018849) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	33597	Seq. ID	OJ000251_35.0218.C25
Gene No.	69638	Strand	+
Start	4604	End	6678
Name	OJ000251_35.0218.C25.o3.gs	Method	GENSCAN
Start	4604	End	5857
GI	none	Score	.76
Exons	4604..4763, 4777..4830, 4899..5074, 5217..5338, 5386..5572, 5642..5857		
Seq. No.	33597	Seq. ID	OJ000251_35.0218.C25
Gene No.	69639	Strand	-
Start	1	End	1255
Name	OJ000251_35.0218.C25.o1.np	Method	AAT/NAP
Start	1	End	1180
GI	6562297	Score	742
Exons	1..523, 615..816, 1003..1180		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		
Seq. No.	33597	Seq. ID	OJ000251_35.0218.C25
Gene No.	69639	Strand	-
Start	1	End	1255
Name	OJ000251_35.0218.C25.o1.gs	Method	GENSCAN
Start	21	End	1255
GI	none	Score	.74
Exons	21..523, 615..798, 875..911, 1022..1255		
Seq. No.	33597	Seq. ID	OJ000251_35.0218.C25
Gene No.	69640	Strand	-
Start	2019	End	4281
Name	OJ000251_35.0218.C25.o2.np	Method	AAT/NAP
Start	1949	End	4281
GI	2462744	Score	586
Exons	1949..3188, 3814..3864, 4105..4281		
GI Descrip.	(AC002292) Hypothetical protein [Arabidopsis thaliana]		
Seq. No.	33597	Seq. ID	OJ000251_35.0218.C25
Gene No.	69640	Strand	-
Start	2019	End	4281
Name	OJ000251_35.0218.C25.o2.gs	Method	GENSCAN
Start	2019	End	4164
GI	none	Score	.98
Exons	2019..3188, 3814..4164		
Seq. No.	33597	Seq. ID	OJ000251_35.0218.C25
Gene No.	69641	Strand	-
Start	6020	End	7328
Name	OJ000251_35.0218.C25.o1.ts	Method	TBLASTX:Soybean
Start	25	End	1121
GI	none	Score	107
Exons	25..456, 29..319, 478..516, 617..805, 732..800, 1007..1120, 1020..1121		
Seq. No.	33597	Seq. ID	OJ000251_35.0218.C25
Gene No.	69641	Strand	-

Start	6020	End	7328
Name	OJ000251_35.0218.C25.o3.tc	Method	TBLASTX:Cress
Start	25	End	250
GI	none	Score	130
Exons	25..249, 26..250		

Seq. No.	33597	Seq. ID	OJ000251_35.0218.C25
Gene No.	69641	Strand	-
Start	6020	End	7328
Name	OJ000251_35.0218.C25.o3.tm	Method	TBLASTX:Maize
Start	128	End	1121
GI	none	Score	81
Exons	128..313, 130..459, 484..516, 617..718, 731..805, 1007..1120, 1020..1121		

Seq. No.	33597	Seq. ID	OJ000251_35.0218.C25
Gene No.	69641	Strand	-
Start	6020	End	7328
Name	OJ000251_35.0218.C25.o4.tc	Method	TBLASTX:Cress
Start	364	End	775
GI	none	Score	165
Exons	364..453, 469..516, 617..775		

Seq. No.	33597	Seq. ID	OJ000251_35.0218.C25
Gene No.	69641	Strand	-
Start	6020	End	7328
Name	OJ000251_35.0218.C25.o4.tm	Method	TBLASTX:Maize
Start	2025	End	2242
GI	none	Score	85
Exons	2025..2066, 2031..2240, 2056..2229, 2056..2241, 2058..2237, 2069..2242		

Seq. No.	33597	Seq. ID	OJ000251_35.0218.C25
Gene No.	69641	Strand	-
Start	6020	End	7328
Name	OJ000251_35.0218.C25.o3.ts	Method	TBLASTX:Soybean
Start	2406	End	2939
GI	none	Score	231
Exons	2406..2519, 2553..2939		

Seq. No.	33597	Seq. ID	OJ000251_35.0218.C25
Gene No.	69641	Strand	-
Start	6020	End	7328
Name	OJ000251_35.0218.C25.o2.tc	Method	TBLASTX:Cress
Start	2670	End	3230
GI	none	Score	63
Exons	2670..3215, 2718..3038, 3105..3230		

Seq. No.	33597	Seq. ID	OJ000251_35.0218.C25
Gene No.	69641	Strand	-
Start	6020	End	7328
Name	OJ000251_35.0218.C25.o1.tm	Method	TBLASTX:Maize
Start	2824	End	3991
GI	none	Score	371
Exons	2824..3141, 2825..3151, 2826..3170, 3141..3191, 3144..3191, 3811..3990, 3896..3991		

Seq. No.	33597	Seq. ID	OJ000251_35.0218.C25
Gene No.	69641	Strand	-
Start	6020	End	7328
Name	OJ000251_35.0218.C25.o1.tc	Method	TBLASTX:Cress
Start	4546	End	5509
GI	none	Score	213
Exons	4546..4719, 4547..4810, 4559..4765, 4897..5079, 4898..5095, 5081..5107, 5172..5324, 5318..5386, 5319..5399, 5414..5509, 5419..5508		

Seq. No.	33597	Seq. ID	OJ000251_35.0218.C25
Gene No.	69641	Strand	-
Start	6020	End	7328
Name	OJ000251_35.0218.C25.o2.ts	Method	TBLASTX:Soybean
Start	4546	End	5509
GI	none	Score	126
Exons	4546..4719, 4547..4627, 4679..4810, 4907..5095, 4912..5079, 5172..5297, 5318..5401, 5319..5396, 5444..5509, 5452..5508		

Seq. No.	33597	Seq. ID	OJ000251_35.0218.C25
Gene No.	69641	Strand	-
Start	6020	End	7328
Name	OJ000251_35.0218.C25.o5.tm	Method	TBLASTX:Maize
Start	4546	End	4833
GI	none	Score	125
Exons	4546..4734, 4547..4627, 4550..4765, 4679..4810, 4810..4833		

Seq. No.	33597	Seq. ID	OJ000251_35.0218.C25
Gene No.	69641	Strand	-
Start	6020	End	7328
Name	OJ000251_35.0218.C25.o2.tm	Method	TBLASTX:Maize
Start	4918	End	5494
GI	none	Score	144
Exons	4918..5079, 4919..5095, 4928..5086, 5081..5107, 5172..5324, 5192..5323, 5318..5404, 5319..5405, 5407..5493, 5411..5494		

Seq. No.	33597	Seq. ID	OJ000251_35.0218.C25
Gene No.	69641	Strand	-
Start	6020	End	7328
Name	OJ000251_35.0218.C25.o4.np	Method	AAT/NAP
Start	6020	End	7328
GI	5777617	Score	93
Exons	6020..6117, 7221..7328		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	33597	Seq. ID	OJ000251_35.0218.C25
Gene No.	69641	Strand	-
Start	6020	End	7328
Name	OJ000251_35.0218.C25.o4.gs	Method	GENSCAN
Start	6979	End	7200
GI	none	Score	.47
Exons	6979..7200		

Seq. No.	33598	Seq. ID	OJ000251_35.0218.C26
Gene No.	69642	Strand	+
Start	127	End	1246
Name	OJ000251_35.0218.C26.o1.gs	Method	GENSCAN

Start	127	End	1246
GI	none	Score	.72
Exons	127..341, 578..1246		

Seq. No.	33599	Seq. ID	OJ000251_35.0218.C27
Gene No.	69643	Strand	-
Start	3309	End	5991
Name	OJ000251_35.0218.C27.o3.tm	Method	TBLASTX:Maize
Start	1176	End	1868
GI	none	Score	42
Exons	1176..1211, 1263..1607, 1674..1745, 1773..1868		

Seq. No.	33599	Seq. ID	OJ000251_35.0218.C27
Gene No.	69643	Strand	-
Start	3309	End	5991
Name	OJ000251_35.0218.C27.o1.tc	Method	TBLASTX:Cress
Start	1623	End	1964
GI	none	Score	152
Exons	1623..1868, 1884..1964		

Seq. No.	33599	Seq. ID	OJ000251_35.0218.C27
Gene No.	69643	Strand	-
Start	3309	End	5991
Name	OJ000251_35.0218.C27.o1.ts	Method	TBLASTX:Soybean
Start	1638	End	1973
GI	none	Score	197
Exons	1638..1973, 1706..1750, 1785..1820, 1802..1966		

Seq. No.	33599	Seq. ID	OJ000251_35.0218.C27
Gene No.	69643	Strand	-
Start	3309	End	5991
Name	OJ000251_35.0218.C27.o2.tm	Method	TBLASTX:Maize
Start	3198	End	3501
GI	none	Score	45
Exons	3198..3215, 3231..3287, 3238..3267, 3262..3294, 3263..3295, 3279..3380, 3300..3380, 3401..3481, 3402..3497, 3402..3500, 3403..3501		

Seq. No.	33599	Seq. ID	OJ000251_35.0218.C27
Gene No.	69643	Strand	-
Start	3309	End	5991
Name	OJ000251_35.0218.C27.o2.gs	Method	GENSCAN
Start	3309	End	5991
GI	none	Score	.92
Exons	3309..3500, 3623..3733, 3938..4105, 4300..4901, 4996..5098, 5911..5991		

Seq. No.	33599	Seq. ID	OJ000251_35.0218.C27
Gene No.	69643	Strand	-
Start	3309	End	5991
Name	OJ000251_35.0218.C27.o2.np	Method	AAT/NAP
Start	3354	End	5218
GI	6562303	Score	388
Exons	3354..3403, 3931..4284, 4378..4901, 4996..5218		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		

Seq. No.	33599	Seq. ID	OJ000251_35.0218.C27

Gene No.	69643	Strand	-
Start	3309	End	5991
Name	OJ000251_35.0218.C27.o1.tm	Method	TBLASTX:Maize
Start	4291	End	4647
GI	none	Score	109
Exons	4291..4416, 4299..4436, 4299..4436, 4441..4644, 4450..4647		

Seq. No.	33600	Seq. ID	OJ000251_35.0218.C28
Gene No.	69644	Strand	+
Start	71	End	1046
Name	OJ000251_35.0218.C28.o1.gs	Method	GENSCAN
Start	71	End	1046
GI	none	Score	.48
Exons	71..236, 921..1046		

Seq. No.	33600	Seq. ID	OJ000251_35.0218.C28
Gene No.	69645	Strand	+
Start	2627	End	3239
Name	OJ000251_35.0218.C28.o1.np	Method	AAT/NAP
Start	2627	End	3239
GI	6498457	Score	74
Exons	2627..2655, 2984..3239		
GI Descrip.	(AP000816) EST AU032536(S10696) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33600	Seq. ID	OJ000251_35.0218.C28
Gene No.	69646	Strand	-
Start	3124	End	6292
Name	OJ000251_35.0218.C28.o2.gs	Method	GENSCAN
Start	3124	End	6253
GI	none	Score	.76
Exons	3124..3269, 3727..3858, 4416..4602, 4766..4932, 5770..6253		

Seq. No.	33600	Seq. ID	OJ000251_35.0218.C28
Gene No.	69646	Strand	-
Start	3124	End	6292
Name	OJ000251_35.0218.C28.o2.np	Method	AAT/NAP
Start	4401	End	6292
GI	6016874	Score	324
Exons	4401..4643, 6252..6292		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	33600	Seq. ID	OJ000251_35.0218.C28
Gene No.	69646	Strand	-
Start	3124	End	6292
Name	OJ000251_35.0218.C28.o3.np	Method	AAT/NAP
Start	4723	End	4887
GI	6907084	Score	243
Exons	4723..4887		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	33601	Seq. ID	OJ000251_35.0218.C29
Gene No.	69647	Strand	+
Start	1	End	1567
Name	OJ000251_35.0218.C29.o1.np	Method	AAT/NAP

Start	1	End	1567
GI	2346986	Score	63
Exons	1..103, 161..287, 1512..1567		
GI Descrip.	(AB006605) ZPT3-3 [Petunia x hybrida]		

Seq. No.	33601	Seq. ID	OJ000251_35.0218.C29
Gene No.	69648	Strand	+
Start	5255	End	8327
Name	OJ000251_35.0218.C29.o2.np	Method	AAT/NAP
Start	5255	End	8327
GI	3451463	Score	179
Exons	5255..5343, 6882..6945, 7719..7939, 8310..8327		
GI Descrip.	(AL031349) hypothetical protein [Schizosaccharomyces pombe]		

Seq. No.	33601	Seq. ID	OJ000251_35.0218.C29
Gene No.	69649	Strand	-
Start	4894	End	7963
Name	OJ000251_35.0218.C29.o2.gs	Method	GENSCAN
Start	4894	End	6914
GI	none	Score	.81
Exons	4894..5264, 6734..6914		

Seq. No.	33601	Seq. ID	OJ000251_35.0218.C29
Gene No.	69649	Strand	-
Start	4894	End	7963
Name	OJ000251_35.0218.C29.o1.tm	Method	TBLASTX:Maize
Start	6802	End	7955
GI	none	Score	65
Exons	6802..6837, 6882..6947, 6898..6948, 7710..7901, 7719..7955, 7720..7932		

Seq. No.	33601	Seq. ID	OJ000251_35.0218.C29
Gene No.	69649	Strand	-
Start	4894	End	7963
Name	OJ000251_35.0218.C29.o1.ts	Method	TBLASTX:Soybean
Start	6808	End	7963
GI	none	Score	41
Exons	6808..6837, 6897..6944, 6898..6948, 7719..7955, 7721..7954, 7841..7963		

Seq. No.	33602	Seq. ID	OJ000251_35.0218.C30
Gene No.	69650	Strand	+
Start	68	End	2123
Name	OJ000251_35.0218.C30.o1.gs	Method	GENSCAN
Start	68	End	2078
GI	none	Score	.87
Exons	68..478, 925..1044, 1636..1746, 1994..2078		

Seq. No.	33602	Seq. ID	OJ000251_35.0218.C30
Gene No.	69650	Strand	+
Start	68	End	2123
Name	OJ000251_35.0218.C30.o1.tm	Method	TBLASTX:Maize
Start	362	End	2123
GI	none	Score	156
Exons	362..496, 364..477, 908..1009, 925..1008, 1633..1743, 1635..1748, 1635..1742, 1813..1914, 1827..1916, 1832..1915, 1991..2050, 1992..2123, 1993..2043, 1997..2056		

Seq. No.	33603	Seq. ID	OJ000251_35.0218.C31
Gene No.	69651	Strand	+
Start	179	End	315
Name	OJ000251_35.0218.C31.o1.gs	Method	GENSCAN
Start	179	End	315
GI	none	Score	.59
Exons	179..315		

Seq. No.	33604	Seq. ID	OJ000251_35.0218.C32
Gene No.	69652	Strand	+
Start	592	End	2803
Name	OJ000251_35.0218.C32.o1.gs	Method	GENSCAN
Start	592	End	2803
GI	none	Score	.79
Exons	592..807, 1006..1485, 2066..2272, 2377..2514, 2582..2803		

Seq. No.	33604	Seq. ID	OJ000251_35.0218.C32
Gene No.	69653	Strand	+
Start	2741	End	3241
Name	OJ000251_35.0218.C32.o1.gp	Method	AAT/GAP
Start	2741	End	3241
GI	none	Score	698
Exons	2741..2781, 2916..3241		

Seq. No.	33604	Seq. ID	OJ000251_35.0218.C32
Gene No.	69654	Strand	-
Start	3867	End	7595
Name	OJ000251_35.0218.C32.o1.np	Method	AAT/NAP
Start	3867	End	7595
GI	6721550	Score	1244
Exons	3867..6323, 7171..7595		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib (AB013448)		

Seq. No.	33604	Seq. ID	OJ000251_35.0218.C32
Gene No.	69655	Strand	-
Start	8732	End	11078
Name	OJ000251_35.0218.C32.o1.tm	Method	TBLASTX:Maize
Start	589	End	1323
GI	none	Score	297
Exons	589..807, 589..714, 591..812, 1003..1323, 1003..1323		

Seq. No.	33604	Seq. ID	OJ000251_35.0218.C32
Gene No.	69655	Strand	-
Start	8732	End	11078
Name	OJ000251_35.0218.C32.o1.ts	Method	TBLASTX:Soybean
Start	613	End	2131
GI	none	Score	193
Exons	613..807, 669..806, 1003..1488, 1119..1487, 2066..2131		

Seq. No.	33604	Seq. ID	OJ000251_35.0218.C32
Gene No.	69655	Strand	-
Start	8732	End	11078
Name	OJ000251_35.0218.C32.o3.tm	Method	TBLASTX:Maize
Start	1324	End	2130
GI	none	Score	234
Exons	1324..1488, 1326..1499, 1326..1490, 2065..2130, 2066..2128		

Seq. No.	33604	Seq. ID	OJ000251_35.0218.C32
Gene No.	69655	Strand	-
Start	8732	End	11078
Name	OJ000251_35.0218.C32.o2.tc	Method	TBLASTX:Cress
Start	1393	End	2272
GI	none	Score	100
Exons	1393..1488, 2063..2272, 2063..2260, 2077..2262		

Seq. No.	33604	Seq. ID	OJ000251_35.0218.C32
Gene No.	69655	Strand	-
Start	8732	End	11078
Name	OJ000251_35.0218.C32.o2.tm	Method	TBLASTX:Maize
Start	2371	End	9408
GI	none	Score	69
Exons	2371..2514, 2373..2450, 2374..2517, 2581..2757, 2582..2752, 2628..2771, 2643..2759, 9265..9408		

Seq. No.	33604	Seq. ID	OJ000251_35.0218.C32
Gene No.	69655	Strand	-
Start	8732	End	11078
Name	OJ000251_35.0218.C32.o3.ts	Method	TBLASTX:Soybean
Start	2374	End	9020
GI	none	Score	167
Exons	2374..2514, 2374..2514, 2584..2739, 2588..2752, 8889..9020		

Seq. No.	33604	Seq. ID	OJ000251_35.0218.C32
Gene No.	69655	Strand	-
Start	8732	End	11078
Name	OJ000251_35.0218.C32.o1.tc	Method	TBLASTX:Cress
Start	2407	End	2764
GI	none	Score	127
Exons	2407..2517, 2413..2514, 2582..2752, 2587..2745, 2609..2764		

Seq. No.	33604	Seq. ID	OJ000251_35.0218.C32
Gene No.	69655	Strand	-
Start	8732	End	11078
Name	OJ000251_35.0218.C32.o2.ts	Method	TBLASTX:Soybean
Start	4706	End	5803
GI	none	Score	62
Exons	4706..4903, 5054..5269, 5162..5266, 5267..5497, 5352..5405, 5519..5617, 5529..5618, 5618..5803		

Seq. No.	33604	Seq. ID	OJ000251_35.0218.C32
Gene No.	69655	Strand	-
Start	8732	End	11078
Name	OJ000251_35.0218.C32.o1.tw	Method	TBLASTX:Wheat
Start	4892	End	5341
GI	none	Score	72
Exons	4892..4957, 5060..5341, 5090..5260, 5297..5341		

Seq. No.	33604	Seq. ID	OJ000251_35.0218.C32
Gene No.	69655	Strand	-
Start	8732	End	11078
Name	OJ000251_35.0218.C32.o3.tc	Method	TBLASTX:Cress
Start	4994	End	6148
GI	none	Score	65

Exons	4994..5074, 5111..5284, 5291..5449, 5519..5611, 5777..5869, 6086..6148		
Seq. No.	33604	Seq. ID	OJ000251_35.0218.C32
Gene No.	69655	Strand	-
Start	8732	End	11078
Name	OJ000251_35.0218.C32.o4.tm	Method	TBLASTX:Maize
Start	5096	End	5443
GI	none	Score	121
Exons	5096..5290, 5297..5443		
Seq. No.	33604	Seq. ID	OJ000251_35.0218.C32
Gene No.	69655	Strand	-
Start	8732	End	11078
Name	OJ000251_35.0218.C32.o2.tw	Method	TBLASTX:Wheat
Start	5351	End	5603
GI	none	Score	67
Exons	5351..5497, 5352..5405, 5519..5599, 5538..5603		
Seq. No.	33604	Seq. ID	OJ000251_35.0218.C32
Gene No.	69655	Strand	-
Start	8732	End	11078
Name	OJ000251_35.0218.C32.o5.tm	Method	TBLASTX:Maize
Start	5519	End	5896
GI	none	Score	68
Exons	5519..5599, 5520..5600, 5630..5689, 5723..5857, 5724..5849, 5732..5896		
Seq. No.	33604	Seq. ID	OJ000251_35.0218.C32
Gene No.	69655	Strand	-
Start	8732	End	11078
Name	OJ000251_35.0218.C32.o3.np	Method	AAT/NAP
Start	8732	End	11078
GI	3540201	Score	32
Exons	8732..8766, 10879..11078		
GI Descrip.	(AC004260) Putative nuclear protein [Arabidopsis thaliana]		
Seq. No.	33605	Seq. ID	OJ000251_35.0218.C33
Gene No.	69656	Strand	+
Start	1	End	9677
Name	OJ000251_35.0218.C33.o1.np	Method	AAT/NAP
Start	1	End	9677
GI	2078483	Score	287
Exons	1..215, 3434..3877, 7011..7538, 9396..9677		
GI Descrip.	(U43200) antifreeze glycopeptide AFGP polyprotein precursor [Boreogadus saida]		
Seq. No.	33605	Seq. ID	OJ000251_35.0218.C33
Gene No.	69656	Strand	+
Start	1	End	9677
Name	OJ000251_35.0218.C33.o1.gs	Method	GENSCAN
Start	42	End	484
GI	none	Score	.5
Exons	42..87, 417..484		
Seq. No.	33605	Seq. ID	OJ000251_35.0218.C33
Gene No.	69657	Strand	-

Start	3417	End	3875
Name	OJ000251_35.0218.C33.o2.gs	Method	GENSCAN
Start	3417	End	3875
GI	none	Score	1
Exons	3417..3875		

Seq. No.	33605	Seq. ID	OJ000251_35.0218.C33
Gene No.	69658	Strand	-
Start	6982	End	7657
Name	OJ000251_35.0218.C33.o1.gp	Method	AAT/GAP
Start	6709	End	7657
GI	none	Score	1811
Exons	6709..7657		

Seq. No.	33605	Seq. ID	OJ000251_35.0218.C33
Gene No.	69658	Strand	-
Start	6982	End	7657
Name	OJ000251_35.0218.C33.o4.gs	Method	GENSCAN
Start	6982	End	7608
GI	none	Score	.98
Exons	6982..7608		

Seq. No.	33605	Seq. ID	OJ000251_35.0218.C33
Gene No.	69659	Strand	-
Start	8647	End	10135
Name	OJ000251_35.0218.C33.o1.tm	Method	TBLASTX:Maize
Start	2281	End	2754
GI	none	Score	280
Exons	2281..2598, 2282..2593, 2685..2753, 2686..2754		

Seq. No.	33605	Seq. ID	OJ000251_35.0218.C33
Gene No.	69659	Strand	-
Start	8647	End	10135
Name	OJ000251_35.0218.C33.o1.tw	Method	TBLASTX:Wheat
Start	2480	End	2849
GI	none	Score	99
Exons	2480..2611, 2611..2847, 2616..2849		

Seq. No.	33605	Seq. ID	OJ000251_35.0218.C33
Gene No.	69659	Strand	-
Start	8647	End	10135
Name	OJ000251_35.0218.C33.o2.tm	Method	TBLASTX:Maize
Start	3546	End	10081
GI	none	Score	49

Exons 3546..3587, 3699..3752, 7047..7100, 7047..7085, 7050..7076,
7050..7091, 7083..7124, 7083..7133, 7084..7176, 7084..7158,
7087..7119, 7089..7115, 7089..7133, 7089..7118, 7090..7128,
7090..7167, 7090..7200, 7098..7124, 7138..7323, 7138..7299,
7162..7275, 7168..7299, 7168..7197, 7171..7251, 7204..7281,
7215..7256, 7215..7289, 7215..7238, 7215..7295, 7215..7322,
7221..7295, 7227..7280, 7230..7289, 7239..7286, 7246..7329,
7260..7319, 7260..7322, 7261..7332, 7272..7319, 7276..7320,
7281..7337, 7281..7337, 7282..7338, 7285..7353, 7290..7328,
7291..7353, 7291..7329, 7293..7328, 7294..7332, 7296..7328,
7383..7472, 7389..7451, 7389..7448, 7389..7448, 7392..7499,
7392..7460, 7398..7448, 7429..7470, 7429..7509, 7434..7511,
7434..7508, 7440..7532, 7440..7511, 7441..7512, 7441..7521,

7441..7515, 7441..7515, 7441..7509, 7441..7512, 7446..7511,
7452..7514, 7528..7590, 7538..7612, 7544..7573, 9327..9383,
9342..9380, 9342..9380, 9376..9414, 9376..9414, 9474..9500,
9474..9506, 9474..9581, 9474..9548, 9480..9554, 9480..9560,
9486..9548, 9496..9561, 9496..9561, 9496..9549, 9499..9549,
9501..9542, 9502..9543, 9504..9548, 9517..9549, 9526..9576,
9528..9752, 9528..9650, 9531..9578, 9540..9587, 9540..9731,
9541..9654, 9541..9591, 9546..9653, 9547..9654, 9550..9582,
9553..9651, 9553..9630, 9553..9645, 9556..9660, 9561..9656,
9565..9717, 9571..9714, 9571..9732, 9579..9716, 9613..9627,
9631..9717, 9637..9711, 9639..9716, 9642..9761, 9643..9678,
9657..9716, 9688..9762, 9714..9767, 9715..9777, 9715..9768,
9717..9755, 9718..9756, 9732..9851, 9739..9852, 9759..9863,
9759..9863, 9759..9851, 9760..9804, 9760..9813, 9760..9903,
9784..9897, 9814..9909, 9814..9918, 9814..9918, 9983..10075,
9989..10081

Seq. No.	33605	Seq. ID	OJ000251_35.0218.C33
Gene No.	69659	Strand	-
Start	8647	End	10135
Name	OJ000251_35.0218.C33.o5.gs	Method	GENSCAN
Start	8647	End	10095
GI	none	Score	73
Exons	8647..8712, 9325..10095		

Seq. No.	33605	Seq. ID	OJ000251_35.0218.C33
Gene No.	69659	Strand	-
Start	8647	End	10135
Name	OJ000251_35.0218.C33.o2.gp	Method	AAT/GAP
Start	9595	End	10135
GI	none	Score	667
Exons	9595..10135		

Seq. No.	33606	Seq. ID	OJ000251_35.0218.C34
Gene No.	69660	Strand	-
Start	1	End	2014
Name	OJ000251_35.0218.C34.o1.np	Method	AAT/NAP
Start	1	End	2014
GI	4680203	Score	1337
Exons	1..193, 353..2014		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33606	Seq. ID	OJ000251_35.0218.C34
Gene No.	69660	Strand	-
Start	1	End	2014
Name	OJ000251_35.0218.C34.o1.gs	Method	GENSCAN
Start	77	End	1697
GI	none	Score	76
Exons	77..236, 357..485, 1014..1697		

Seq. No.	33606	Seq. ID	OJ000251_35.0218.C34
Gene No.	69660	Strand	-
Start	1	End	2014
Name	OJ000251_35.0218.C34.o2.tm	Method	TBLASTX:Maize
Start	220	End	446
GI	none	Score	70
Exons	220..336, 222..446		

Seq. No.	33606	Seq. ID	OJ000251_35.0218.C34
Gene No.	69660	Strand	-
Start	1	End	2014
Name	OJ000251_35.0218.C34.o3.tw	Method	TBLASTX:Wheat
Start	291	End	509
GI	none	Score	74
Exons	291..410, 321..407, 444..509		

Seq. No.	33606	Seq. ID	OJ000251_35.0218.C34
Gene No.	69660	Strand	-
Start	1	End	2014
Name	OJ000251_35.0218.C34.o2.ts	Method	TBLASTX:Soybean
Start	522	End	755
GI	none	Score	75
Exons	522..755, 601..732		

Seq. No.	33606	Seq. ID	OJ000251_35.0218.C34
Gene No.	69660	Strand	-
Start	1	End	2014
Name	OJ000251_35.0218.C34.o1.tm	Method	TBLASTX:Maize
Start	591	End	1034
GI	none	Score	77
Exons	591..785, 592..786, 792..1034, 793..1032		

Seq. No.	33606	Seq. ID	OJ000251_35.0218.C34
Gene No.	69660	Strand	-
Start	1	End	2014
Name	OJ000251_35.0218.C34.o2.tw	Method	TBLASTX:Wheat
Start	625	End	974
GI	none	Score	67
Exons	625..732, 630..785, 630..785, 816..923, 829..924, 831..926, 933..974		

Seq. No.	33606	Seq. ID	OJ000251_35.0218.C34
Gene No.	69660	Strand	-
Start	1	End	2014
Name	OJ000251_35.0218.C34.o1.tc	Method	TBLASTX:Cress
Start	879	End	1229
GI	none	Score	102
Exons	879..1229, 880..1035, 1156..1221		

Seq. No.	33606	Seq. ID	OJ000251_35.0218.C34
Gene No.	69660	Strand	-
Start	1	End	2014
Name	OJ000251_35.0218.C34.o3.ts	Method	TBLASTX:Soybean
Start	960	End	1229
GI	none	Score	133
Exons	960..1229, 961..1215		

Seq. No.	33606	Seq. ID	OJ000251_35.0218.C34
Gene No.	69660	Strand	-
Start	1	End	2014
Name	OJ000251_35.0218.C34.o1.tw	Method	TBLASTX:Wheat
Start	975	End	1655
GI	none	Score	76
Exons	975..1100, 1107..1226, 1120..1209, 1239..1655, 1240..1431,		

1522..1566

Seq. No.	33606	Seq. ID	OJ000251_35.0218.C34
Gene No.	69660	Strand	-
Start	1	End	2014
Name	OJ000251_35.0218.C34.o1.ts	Method	TBLASTX:Soybean
Start	1246	End	1583
GI	none	Score	151
Exons	1246..1530, 1248..1529, 1373..1534, 1534..1578, 1536..1583		

Seq. No.	33607	Seq. ID	OJ000251_35.0218.C35
Gene No.	69661	Strand	+
Start	3613	End	5036
Name	OJ000251_35.0218.C35.o1.gs	Method	GENSCAN
Start	3613	End	5036
GI	none	Score	.93
Exons	3613..3718, 4684..5036		

Seq. No.	33607	Seq. ID	OJ000251_35.0218.C35
Gene No.	69662	Strand	-
Start	6051	End	6874
Name	OJ000251_35.0218.C35.o1.tm	Method	TBLASTX:Maize
Start	4676	End	5166
GI	none	Score	169
Exons	4676..4987, 4677..5003, 4679..4987, 4726..5010, 4999..5037, 5000..5050, 5101..5166, 5104..5166		

Seq. No.	33607	Seq. ID	OJ000251_35.0218.C35
Gene No.	69662	Strand	-
Start	6051	End	6874
Name	OJ000251_35.0218.C35.o2.gs	Method	GENSCAN
Start	6051	End	6874
GI	none	Score	.63
Exons	6051..6139, 6619..6874		

Seq. No.	33608	Seq. ID	OJ000251_35.0218.C36
Gene No.	69663	Strand	+
Start	23	End	474
Name	OJ000251_35.0218.C36.o1.gs	Method	GENSCAN
Start	23	End	474
GI	none	Score	.55
Exons	23..30, 68..148, 201..474		

Seq. No.	33609	Seq. ID	OJ000251_35.0218.C37
Gene No.	69664	Strand	-
Start	1	End	535
Name	OJ000251_35.0218.C37.o1.np	Method	AAT/NAP
Start	1	End	535
GI	2443320	Score	298
Exons	1..535		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	33609	Seq. ID	OJ000251_35.0218.C37
Gene No.	69664	Strand	-
Start	1	End	535
Name	OJ000251_35.0218.C37.o1.tw	Method	TBLASTX:Wheat
Start	191	End	400

GI	none	Score	155
Exons	191..400, 213..398, 244..399		
Seq. No.	33610	Seq. ID	OJ000251_35.0218.C38
Gene No.	69665	Strand	+
Start	95	End	756
Name	OJ000251_35.0218.C38.o1.gs	Method	GENSCAN
Start	95	End	756
GI	none	Score	.85
Exons	95..205, 649..756		
Seq. No.	33610	Seq. ID	OJ000251_35.0218.C38
Gene No.	69666	Strand	-
Start	1	End	885
Name	OJ000251_35.0218.C38.o1.np	Method	AAT/NAP
Start	1	End	885
GI	5852175	Score	204
Exons	1..147, 722..885		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		
Seq. No.	33610	Seq. ID	OJ000251_35.0218.C38
Gene No.	69666	Strand	-
Start	1	End	885
Name	OJ000251_35.0218.C38.o1.gp	Method	AAT/GAP
Start	34	End	509
GI	uC-osf1M202048c12b1	Score	669
Exons	34..509		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	33610	Seq. ID	OJ000251_35.0218.C38
Gene No.	69666	Strand	-
Start	1	End	885
Name	OJ000251_35.0218.C38.o2.gp	Method	AAT/GAP
Start	665	End	745
GI	61605_1.R1084	Score	117
Exons	665..745		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	33611	Seq. ID	OJ000251_35.0218.C41
Gene No.	69667	Strand	+
Start	201	End	264
Name	OJ000251_35.0218.C41.o1.gs	Method	GENSCAN
Start	201	End	264
GI	none	Score	.66
Exons	201..264		
Seq. No.	33612	Seq. ID	OJ000251_35.0218.C42
Gene No.	69668	Strand	-
Start	1	End	446
Name	OJ000251_35.0218.C42.o1.np	Method	AAT/NAP
Start	1	End	446
GI	4680203	Score	340
Exons	1..446		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33612	Seq. ID	OJ000251_35.0218.C42
Gene No.	69668	Strand	-
Start	1	End	446
Name	OJ000251_35.0218.C42.o1.tw	Method	TBLASTX:Wheat
Start	32	End	291
GI	none	Score	123
Exons	32..193, 37..201, 42..272, 184..291		

Seq. No.	33612	Seq. ID	OJ000251_35.0218.C42
Gene No.	69668	Strand	-
Start	1	End	446
Name	OJ000251_35.0218.C42.o1.gs	Method	GENSCAN
Start	35	End	405
GI	none	Score	.97
Exons	35..405		

Seq. No.	33613	Seq. ID	OJ000251_35.0218.C43
Gene No.	69669	Strand	+
Start	429	End	546
Name	OJ000251_35.0218.C43.o1.gs	Method	GENSCAN
Start	429	End	546
GI	none	Score	.56
Exons	429..546		

Seq. No.	33614	Seq. ID	OJ000251_35.0218.C45
Gene No.	69670	Strand	+
Start	1102	End	1436
Name	OJ000251_35.0218.C45.o1.np	Method	AAT/NAP
Start	1102	End	1436
GI	6721512	Score	67
Exons	1102..1218, 1398..1436		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	33614	Seq. ID	OJ000251_35.0218.C45
Gene No.	69671	Strand	-
Start	1068	End	1166
Name	OJ000251_35.0218.C45.o1.gs	Method	GENSCAN
Start	1068	End	1166
GI	none	Score	.96
Exons	1068..1166		

Seq. No.	33615	Seq. ID	OJ000251_35.0218.C46
Gene No.	69672	Strand	+
Start	1	End	462
Name	OJ000251_35.0218.C46.o1.np	Method	AAT/NAP
Start	1	End	391
GI	6721558	Score	123
Exons	1..391		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	33615	Seq. ID	OJ000251_35.0218.C46
Gene No.	69672	Strand	+
Start	1	End	462
Name	OJ000251_35.0218.C46.o2.np	Method	AAT/NAP
Start	6	End	388

GI	6721561	Score	73
Exons	6..77, 242..388		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33615	Seq. ID	OJ000251_35.0218.C46
Gene No.	69672	Strand	+
Start	1	End	462
Name	OJ000251_35.0218.C46.o1.gs	Method	GENSCAN
Start	49	End	462
GI	none	Score	.74
Exons	49..173, 286..462		

Seq. No.	33615	Seq. ID	OJ000251_35.0218.C46
Gene No.	69673	Strand	-
Start	1576	End	2817
Name	OJ000251_35.0218.C46.o2.gs	Method	GENSCAN
Start	1576	End	2817
GI	none	Score	.9
Exons	1576..1694, 2103..2261, 2320..2442, 2676..2817		

Seq. No.	33616	Seq. ID	OJ000251_35.0218.C47
Gene No.	69674	Strand	+
Start	2375	End	4777
Name	OJ000251_35.0218.C47.o1.gs	Method	GENSCAN
Start	2375	End	4405
GI	none	Score	.41
Exons	2375..2598, 3662..3813, 3845..4086, 4181..4405		

Seq. No.	33616	Seq. ID	OJ000251_35.0218.C47
Gene No.	69674	Strand	+
Start	2375	End	4777
Name	OJ000251_35.0218.C47.o1.tw	Method	TBLASTX:Wheat
Start	3663	End	4071
GI	none	Score	104
Exons	3663..3809, 3705..3791, 3916..4071		

Seq. No.	33616	Seq. ID	OJ000251_35.0218.C47
Gene No.	69674	Strand	+
Start	2375	End	4777
Name	OJ000251_35.0218.C47.o1.tc	Method	TBLASTX:Cress
Start	3666	End	4089
GI	none	Score	108
Exons	3666..3809, 3922..4089		

Seq. No.	33616	Seq. ID	OJ000251_35.0218.C47
Gene No.	69674	Strand	+
Start	2375	End	4777
Name	OJ000251_35.0218.C47.o1.ts	Method	TBLASTX:Soybean
Start	3671	End	4369
GI	none	Score	131
Exons	3671..3811, 3681..3809, 3967..4104, 4017..4070, 4175..4312, 4183..4311, 4304..4369, 4306..4356		

Seq. No.	33616	Seq. ID	OJ000251_35.0218.C47
Gene No.	69674	Strand	+
Start	2375	End	4777
Name	OJ000251_35.0218.C47.o1.np	Method	AAT/NAP
Start	3687	End	4777
GI	168643	Score	397
Exons	3687..3813, 3920..4086, 4178..4374, 4753..4777		
GI Descrip.	(L02540) NADPH HC-toxin reductase [Zea mays]		

Seq. No.	33616	Seq. ID	OJ000251_35.0218.C47
Gene No.	69674	Strand	+
Start	2375	End	4777
Name	OJ000251_35.0218.C47.o1.tm	Method	TBLASTX:Maize
Start	3708	End	4384
GI	none	Score	86
Exons	3708..3803, 3716..3793, 3716..3811, 3717..3812, 3922..4131, 3922..4017, 4178..4312, 4180..4311, 4292..4360, 4304..4384		

Seq. No.	33617	Seq. ID	OJ000251_35.0218.C48
Gene No.	69675	Strand	+
Start	1	End	1189
Name	OJ000251_35.0218.C48.o1.np	Method	AAT/NAP
Start	1	End	1189
GI	1929998	Score	357
Exons	1..21, 401..781, 1028..1189		
GI Descrip.	(U77463) NADPH-dependent HC-toxin reductase [Hordeum vulgare]		

Seq. No.	33617	Seq. ID	OJ000251_35.0218.C48
Gene No.	69675	Strand	+
Start	1	End	1189
Name	OJ000251_35.0218.C48.o1.gs	Method	GENSCAN
Start	401	End	805
GI	none	Score	.95
Exons	401..805		

Seq. No.	33617	Seq. ID	OJ000251_35.0218.C48
Gene No.	69676	Strand	+
Start	4377	End	7998
Name	OJ000251_35.0218.C48.o2.np	Method	AAT/NAP
Start	4377	End	7998
GI	3915169	Score	165
Exons	4377..4567, 5238..5373, 5902..5963, 6408..6549, 7978..7998		
GI Descrip.	PROBABLE TRNA (GUANOSINE-2'-O-)-METHYLTRANSFERASE (TRNA [GM18] METHYLTRANSFERASE) gi|2983982 (AE000749) rRNA methylase SpoU [Aquifex aeolicus]		

Seq. No.	33617	Seq. ID	OJ000251_35.0218.C48
Gene No.	69676	Strand	+
Start	4377	End	7998
Name	OJ000251_35.0218.C48.o1.gp	Method	AAT/GAP
Start	6473	End	7958
GI	431824	Score	784
Exons	6473..6546, 6960..7215, 7877..7958		

Seq. No.	33617	Seq. ID	OJ000251_35.0218.C48
Gene No.	69677	Strand	+
Start	11551	End	15636

Name	OJ000251_35.0218.C48.o2.gp	Method	AAT/GAP
Start	10901	End	11162
GI	3061003	Score	446
Exons	10901..11162		

Seq. No.	33617	Seq. ID	OJ000251_35.0218.C48
Gene No.	69677	Strand	+
Start	11551	End	15636
Name	OJ000251_35.0218.C48.o3.gp	Method	AAT/GAP
Start	11088	End	11879
GI	3061235	Score	849
Exons	11088..11162, 11494..11879		

Seq. No.	33617	Seq. ID	OJ000251_35.0218.C48
Gene No.	69677	Strand	+
Start	11551	End	15636
Name	OJ000251_35.0218.C48.o3.gs	Method	GENSCAN
Start	11551	End	12297
GI	none	Score	1
Exons	11551..12297		

Seq. No.	33617	Seq. ID	OJ000251_35.0218.C48
Gene No.	69677	Strand	+
Start	11551	End	15636
Name	OJ000251_35.0218.C48.o4.gp	Method	AAT/GAP
Start	11915	End	12245
GI	LIB3434-037-P1-K1-A7	Score	626
Exons	11915..12245		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	33617	Seq. ID	OJ000251_35.0218.C48
Gene No.	69677	Strand	+
Start	11551	End	15636
Name	OJ000251_35.0218.C48.o3.np	Method	AAT/NAP
Start	12068	End	15636
GI	3127838	Score	139
Exons	12068..12212, 13393..13704, 15592..15636		
GI Descrip.	(AL023496) hypothetical protein [Streptomyces coelicolor]		

Seq. No.	33617	Seq. ID	OJ000251_35.0218.C48
Gene No.	69678	Strand	+
Start	18079	End	18621
Name	OJ000251_35.0218.C48.o4.np	Method	AAT/NAP
Start	18079	End	18621
GI	6562295	Score	103
Exons	18079..18442, 18604..18621		
GI Descrip.	(AL133421) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	33617	Seq. ID	OJ000251_35.0218.C48
Gene No.	69678	Strand	+
Start	18079	End	18621
Name	OJ000251_35.0218.C48.o5.gs	Method	GENSCAN
Start	18079	End	18429
GI	none	Score	.78
Exons	18079..18180, 18295..18429		

Seq. No.	33617	Seq. ID	OJ000251_35.0218.C48
Gene No.	69679	Strand	-
Start	13301	End	15243
Name	OJ000251_35.0218.C48.o2.tm	Method	TBLASTX:Maize
Start	452	End	726
GI	none	Score	73
Exons	452..532, 475..510, 515..724,	550..573,	604..726

Seq. No.	33617	Seq. ID	OJ000251_35.0218.C48
Gene No.	69679	Strand	-
Start	13301	End	15243
Name	OJ000251_35.0218.C48.o2.ts	Method	TBLASTX:Soybean
Start	479	End	1150
GI	none	Score	48
Exons	479..511, 557..781, 595..720,	1064..1150	

Seq. No.	33617	Seq. ID	OJ000251_35.0218.C48
Gene No.	69679	Strand	-
Start	13301	End	15243
Name	OJ000251_35.0218.C48.o3.tc	Method	TBLASTX:Cress
Start	5902	End	7067
GI	none	Score	84
Exons	5902..5958, 6398..6487, 6400..6534, 6402..6551, 6403..6531, 6960..7067		

Seq. No.	33617	Seq. ID	OJ000251_35.0218.C48
Gene No.	69679	Strand	-
Start	13301	End	15243
Name	OJ000251_35.0218.C48.o1.tm	Method	TBLASTX:Maize
Start	11486	End	12319
GI	none	Score	1244
Exons	11486..11665, 11491..12255,	11491..12255,	11753..12319, 11753..12319

Seq. No.	33617	Seq. ID	OJ000251_35.0218.C48
Gene No.	69679	Strand	-
Start	13301	End	15243
Name	OJ000251_35.0218.C48.o1.tc	Method	TBLASTX:Cress
Start	11527	End	11925
GI	none	Score	521
Exons	11527..11919, 11548..11925,	11565..11924	

Seq. No.	33617	Seq. ID	OJ000251_35.0218.C48
Gene No.	69679	Strand	-
Start	13301	End	15243
Name	OJ000251_35.0218.C48.o1.ts	Method	TBLASTX:Soybean
Start	11554	End	12046
GI	none	Score	737
Exons	11554..12042, 11565..11993,	11852..12046	

Seq. No.	33617	Seq. ID	OJ000251_35.0218.C48
Gene No.	69679	Strand	-
Start	13301	End	15243
Name	OJ000251 35.0218.C48.o2.tc	Method	TBLASTX:Cress
Start	11928	End	12099
GI	none	Score	222
Exons	11928..11993, 11929..12099,	11938..12042,	11939..12046,

12042..12071

Seq. No.	33617	Seq. ID	OJ000251_35.0218.C48
Gene No.	69679	Strand	-
Start	13301	End	15243
Name	OJ000251_35.0218.C48.o4.gs	Method	GENSCAN
Start	13301	End	15243
GI	none	Score	.52
Exons	13301..13707, 13709..14586, 15113..15243		

Seq. No.	33618	Seq. ID	OJ000251_35.0218.C49
Gene No.	69680	Strand	+
Start	378	End	3247
Name	OJ000251_35.0218.C49.o1.np	Method	AAT/NAP
Start	378	End	3247
GI	6562295	Score	509
Exons	378..713, 1136..1268, 2215..2390, 2763..2836, 3229..3247		
GI Descrip.	(AL133421) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	33618	Seq. ID	OJ000251_35.0218.C49
Gene No.	69680	Strand	+
Start	378	End	3247
Name	OJ000251_35.0218.C49.o1.gs	Method	GENSCAN
Start	435	End	1312
GI	none	Score	.54
Exons	435..713, 1136..1312		

Seq. No.	33618	Seq. ID	OJ000251_35.0218.C49
Gene No.	69681	Strand	-
Start	2279	End	2385
Name	OJ000251_35.0218.C49.o1.tm	Method	TBLASTX:Maize
Start	1130	End	2385
GI	none	Score	225
Exons	1130..1267, 1133..1264, 1134..1277, 2214..2369, 2218..2385, 2220..2384		

Seq. No.	33618	Seq. ID	OJ000251_35.0218.C49
Gene No.	69681	Strand	-
Start	2279	End	2385
Name	OJ000251_35.0218.C49.o2.gs	Method	GENSCAN
Start	2279	End	2359
GI	none	Score	.59
Exons	2279..2359		

Seq. No.	33619	Seq. ID	OJ000251_35.0218.C50
Gene No.	69682	Strand	-
Start	1	End	896
Name	OJ000251_35.0218.C50.o1.np	Method	AAT/NAP
Start	1	End	896
GI	5257279	Score	709
Exons	1..126, 475..896		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	33620	Seq. ID	OJ000251_35.0218.C53
Gene No.	69683	Strand	+
Start	94	End	588

Name	OJ000251_35.0218.C53.o1.gs	Method	GENSCAN
Start	94	End	458
GI	none	Score	.98
Exons	94..458		

Seq. No.	33620	Seq. ID	OJ000251_35.0218.C53
Gene No.	69683	Strand	+
Start	94	End	588
Name	OJ000251_35.0218.C53.o1.tm	Method	TBLASTX:Maize
Start	113	End	588
GI	none	Score	172
Exons	113..409, 122..409, 126..425, 148..432, 421..459, 422..472, 523..588, 526..588		

Seq. No.	33621	Seq. ID	OJ000251_35.0218.C55
Gene No.	69684	Strand	+
Start	1	End	614
Name	OJ000251_35.0218.C55.o1.np	Method	AAT/NAP
Start	1	End	614
GI	5257279	Score	150
Exons	1..105, 542..614		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	33622	Seq. ID	OJ000251_35.0218.C57
Gene No.	69685	Strand	-
Start	1	End	549
Name	OJ000251_35.0218.C57.o1.np	Method	AAT/NAP
Start	1	End	549
GI	6721547	Score	310
Exons	1..549		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	33622	Seq. ID	OJ000251_35.0218.C57
Gene No.	69685	Strand	-
Start	1	End	549
Name	OJ000251_35.0218.C57.o1.tw	Method	TBLASTX:Wheat
Start	95	End	523
GI	none	Score	72
Exons	95..160, 263..523, 293..463		

Seq. No.	33623	Seq. ID	OJ000251_35.0218.C58
Gene No.	69686	Strand	+
Start	141	End	346
Name	OJ000251_35.0218.C58.o1.gs	Method	GENSCAN
Start	141	End	346
GI	none	Score	.65
Exons	141..346		

Seq. No.	33624	Seq. ID	OJ000251_35.0218.C62
Gene No.	69687	Strand	+
Start	1022	End	4011
Name	OJ000251_35.0218.C62.o1.gs	Method	GENSCAN
Start	1022	End	4011
GI	none	Score	.67
Exons	1022..1216, 1735..1842, 2539..2625, 2837..2932, 2944..3128, 3150..3369, 3538..3579, 3584..3664, 3737..3815, 3917..4011		

Seq. No.	33624	Seq. ID	OJ000251_35.0218.C62
Gene No.	69687	Strand	+
Start	1022	End	4011
Name	OJ000251_35.0218.C62.o1.gp	Method	AAT/GAP
Start	1665	End	2178
GI	uC-osf1M202048c12b1	Score	722
Exons	1665..2178		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	33624	Seq. ID	OJ000251_35.0218.C62
Gene No.	69688	Strand	-
Start	4268	End	10540
Name	OJ000251_35.0218.C62.o2.gp	Method	AAT/GAP
Start	4268	End	7787
GI	342_1.R1084	Score	5348
Exons	4268..7787		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	33624	Seq. ID	OJ000251_35.0218.C62
Gene No.	69688	Strand	-
Start	4268	End	10540
Name	OJ000251_35.0218.C62.o3.gp	Method	AAT/GAP
Start	4273	End	7787
GI	342_1.R1084	Score	5349
Exons	4273..7787		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	33624	Seq. ID	OJ000251_35.0218.C62
Gene No.	69688	Strand	-
Start	4268	End	10540
Name	OJ000251_35.0218.C62.o2.gs	Method	GENSCAN
Start	4458	End	10540
GI	none	Score	.54
Exons	4458..5207, 5368..5549, 5901..6266, 6289..6670, 6981..7333, 7574..7668, 7670..7791, 9323..9373, 10143..10320, 10464..10540		

Seq. No.	33624	Seq. ID	OJ000251_35.0218.C62
Gene No.	69688	Strand	-
Start	4268	End	10540
Name	OJ000251_35.0218.C62.o2.np	Method	AAT/NAP
Start	4479	End	7791
GI	4680203	Score	3079
Exons	4479..5454, 5731..5961, 6115..7791		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33624	Seq. ID	OJ000251_35.0218.C62
Gene No.	69688	Strand	-
Start	4268	End	10540
Name	OJ000251_35.0218.C62.o1.tw	Method	TBLASTX:Wheat
Start	4548	End	5848
GI	none	Score	45
Exons	4548..4631, 4550..4621, 4614..4694, 4641..4694, 4701..4817, 4717..4848, 4719..4847, 4827..4886, 4828..4890, 4892..4957,		

4893..4937, 4932..5147, 4965..5141, 5128..5262, 5146..5382,
5147..5434, 5359..5640, 5412..5810, 5428..5847, 5504..5848

Seq. No.	33624	Seq. ID	OJ000251_35.0218.C62
Gene No.	69688	Strand	-
Start	4268	End	10540
Name	OJ000251_35.0218.C62.o1.tc	Method	TBLASTX:Cress
Start	5128	End	5560
GI	none	Score	91
Exons	5128..5262, 5146..5382, 5147..5434, 5304..5549, 5359..5556, 5428..5556, 5504..5560		

Seq. No.	33624	Seq. ID	OJ000251_35.0218.C62
Gene No.	69688	Strand	-
Start	4268	End	10540
Name	OJ000251_35.0218.C62.o2.tm	Method	TBLASTX:Maize
Start	5488	End	5805
GI	none	Score	125
Exons	5488..5805, 5519..5794		

Seq. No.	33624	Seq. ID	OJ000251_35.0218.C62
Gene No.	69688	Strand	-
Start	4268	End	10540
Name	OJ000251_35.0218.C62.o3.tw	Method	TBLASTX:Wheat
Start	5849	End	6256
GI	none	Score	64
Exons	5849..5935, 5854..5940, 5854..5934, 5967..6170, 5968..6195, 5968..6210, 6196..6255, 6209..6256		

Seq. No.	33624	Seq. ID	OJ000251_35.0218.C62
Gene No.	69688	Strand	-
Start	4268	End	10540
Name	OJ000251_35.0218.C62.o2.ts	Method	TBLASTX:Soybean
Start	6290	End	6532
GI	none	Score	213
Exons	6290..6532		

Seq. No.	33624	Seq. ID	OJ000251_35.0218.C62
Gene No.	69688	Strand	-
Start	4268	End	10540
Name	OJ000251_35.0218.C62.o1.tm	Method	TBLASTX:Maize
Start	6362	End	6824
GI	none	Score	78
Exons	6362..6556, 6566..6739, 6567..6731, 6744..6815, 6747..6824		

Seq. No.	33624	Seq. ID	OJ000251_35.0218.C62
Gene No.	69688	Strand	-
Start	4268	End	10540
Name	OJ000251_35.0218.C62.o2.tw	Method	TBLASTX:Wheat
Start	6396	End	6872
GI	none	Score	148
Exons	6396..6632, 6401..6625, 6603..6695, 6605..6703, 6606..6698, 6700..6789, 6703..6819, 6741..6818, 6816..6872, 6820..6864		

Seq. No.	33624	Seq. ID	OJ000251_35.0218.C62
Gene No.	69688	Strand	-
Start	4268	End	10540

Name	OJ000251_35.0218.C62.o2.tc	Method	TBLASTX:Cress
Start	6653	End	7002
GI	none	Score	46
Exons	6653..6739, 6657..6731, 6744..7001, 6757..6807, 6856..7002		

Seq. No.	33624	Seq. ID	OJ000251_35.0218.C62
Gene No.	69688	Strand	-
Start	4268	End	10540
Name	OJ000251_35.0218.C62.o1.ts	Method	TBLASTX:Soybean
Start	6744	End	7169
GI	none	Score	109
Exons	6744..7037, 6759..6983, 7032..7094, 7095..7169		

Seq. No.	33624	Seq. ID	OJ000251_35.0218.C62
Gene No.	69688	Strand	-
Start	4268	End	10540
Name	OJ000251_35.0218.C62.o4.tw	Method	TBLASTX:Wheat
Start	7086	End	7436
GI	none	Score	148
Exons	7086..7343, 7091..7342, 7101..7352, 7102..7344, 7335..7436		

Seq. No.	33625	Seq. ID	OJ000251_35.0218.C63
Gene No.	69689	Strand	+
Start	1	End	394
Name	OJ000251_35.0218.C63.o1.np	Method	AAT/NAP
Start	1	End	394
GI	5257279	Score	96
Exons	1..54, 197..394		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	33625	Seq. ID	OJ000251_35.0218.C63
Gene No.	69690	Strand	+
Start	2062	End	2363
Name	OJ000251_35.0218.C63.o1.gp	Method	AAT/GAP
Start	2062	End	2363
GI	61605_3.R1084	Score	439
Exons	2062..2363		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	33625	Seq. ID	OJ000251_35.0218.C63
Gene No.	69691	Strand	+
Start	5347	End	5800
Name	OJ000251_35.0218.C63.o3.np	Method	AAT/NAP
Start	5347	End	5800
GI	5257279	Score	672
Exons	5347..5800		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	33625	Seq. ID	OJ000251_35.0218.C63
Gene No.	69692	Strand	-
Start	2731	End	5800
Name	OJ000251_35.0218.C63.o2.np	Method	AAT/NAP
Start	2731	End	5800
GI	6063554	Score	337

Exons	2731..2891, 3816..4073, 4191..4470, 5744..5800		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	33625	Seq. ID	OJ000251_35.0218.C63
Gene No.	69692	Strand	-
Start	2731	End	5800
Name	OJ000251_35.0218.C63.o2.gp	Method	AAT/GAP
Start	2959	End	3333
GI	2427387	Score	646
Exons	2959..3333		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		
Seq. No.	33625	Seq. ID	OJ000251_35.0218.C63
Gene No.	69692	Strand	-
Start	2731	End	5800
Name	OJ000251_35.0218.C63.o3.gp	Method	AAT/GAP
Start	4125	End	4435
GI	2312818	Score	546
Exons	4125..4435		
GI Descrip.	5852170/emb|AL117265.1|OST17804 2.0e-27 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		
Seq. No.	33625	Seq. ID	OJ000251_35.0218.C63
Gene No.	69692	Strand	-
Start	2731	End	5800
Name	OJ000251_35.0218.C63.o2.gs	Method	GENSCAN
Start	5061	End	5572
GI	none	Score	.42
Exons	5061..5075, 5340..5426, 5537..5572		
Seq. No.	33626	Seq. ID	OJ000251_35.0218.C64
Gene No.	69693	Strand	+
Start	1	End	2805
Name	OJ000251_35.0218.C64.o1.np	Method	AAT/NAP
Start	1	End	2805
GI	5257279	Score	1853
Exons	1..224, 853..2023, 2673..2805		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		
Seq. No.	33626	Seq. ID	OJ000251_35.0218.C64
Gene No.	69693	Strand	+
Start	1	End	2805
Name	OJ000251_35.0218.C64.o1.gs	Method	GENSCAN
Start	85	End	2326
GI	none	Score	.45
Exons	85..223, 705..882, 961..1890, 1972..2056, 2193..2326		
Seq. No.	33626	Seq. ID	OJ000251_35.0218.C64
Gene No.	69693	Strand	+
Start	1	End	2805
Name	OJ000251_35.0218.C64.o1.tw	Method	TBLASTX:Wheat
Start	745	End	1131
GI	none	Score	155

Exons	745..960, 768..935, 985..1131		
Seq. No.	33626	Seq. ID	OJ000251_35.0218.C64
Gene No.	69693	Strand	+
Start	1	End	2805
Name	OJ000251_35.0218.C64.o2.tw	Method	TBLASTX:Wheat
Start	1504	End	1941
GI	none	Score	54
Exons	1504..1545, 1669..1941, 1689..1805		
Seq. No.	33627	Seq. ID	OJ000251_35.0218.C65
Gene No.	69694	Strand	+
Start	1	End	120
Name	OJ000251_35.0218.C65.o1.np	Method	AAT/NAP
Start	1	End	120
GI	4680183	Score	144
Exons	1..120		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	33627	Seq. ID	OJ000251_35.0218.C65
Gene No.	69695	Strand	+
Start	533	End	2741
Name	OJ000251_35.0218.C65.o3.np	Method	AAT/NAP
Start	533	End	2741
GI	6063554	Score	271
Exons	533..552, 2057..2355, 2474..2741		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	33627	Seq. ID	OJ000251_35.0218.C65
Gene No.	69695	Strand	+
Start	533	End	2741
Name	OJ000251_35.0218.C65.o2.np	Method	AAT/NAP
Start	781	End	2741
GI	775215	Score	98
Exons	781..1121, 1157..1388, 2659..2741		
GI Descrip.	(U23857) EBNA1 [Herpesvirus papio]		
Seq. No.	33627	Seq. ID	OJ000251_35.0218.C65
Gene No.	69696	Strand	-
Start	971	End	2674
Name	OJ000251_35.0218.C65.o1.gs	Method	GENSCAN
Start	971	End	2674
GI	none	Score	.76
Exons	971..1085, 1163..1279, 1322..1413, 1504..1538, 2611..2674		
Seq. No.	33628	Seq. ID	OJ000251_35.0218.C66
Gene No.	69697	Strand	+
Start	1	End	5128
Name	OJ000251_35.0218.C66.o2.np	Method	AAT/NAP
Start	1	End	5128
GI	5257279	Score	3779
Exons	1..39, 1576..3125, 3342..3503, 3619..4220, 4903..5128		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	33628	Seq. ID	OJ000251_35.0218.C66
Gene No.	69697	Strand	+
Start	1	End	5128
Name	OJ000251_35.0218.C66.o1.gp	Method	AAT/GAP
Start	417	End	676
GI	61605_3.R1084	Score	434
Exons	417..676		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	33628	Seq. ID	OJ000251_35.0218.C66
Gene No.	69698	Strand	-
Start	1	End	1265
Name	OJ000251_35.0218.C66.o1.np	Method	AAT/NAP
Start	1	End	1265
GI	6523547	Score	135
Exons	1..31, 680..1265		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	33628	Seq. ID	OJ000251_35.0218.C66
Gene No.	69699	Strand	
Start	1788	End	2657
Name	OJ000251_35.0218.C66.o3.tw	Method	TBLASTX:Wheat
Start	1788	End	2270
GI	none	Score	525
Exons	1788..2270, 1799..2095, 1848..2237, 2123..2266		

Seq. No.	33628	Seq. ID	OJ000251_35.0218.C66
Gene No.	69699	Strand	
Start	1788	End	2657
Name	OJ000251_35.0218.C66.o4.tm	Method	TBLASTX:Maize
Start	1797	End	2087
GI	none	Score	354
Exons	1797..2087, 1799..2017, 1806..2087		

Seq. No.	33628	Seq. ID	OJ000251_35.0218.C66
Gene No.	69699	Strand	
Start	1788	End	2657
Name	OJ000251_35.0218.C66.o3.tm	Method	TBLASTX:Maize
Start	2157	End	2657
GI	none	Score	159
Exons	2157..2336, 2259..2327, 2322..2657, 2369..2536, 2564..2611		

Seq. No.	33628	Seq. ID	OJ000251_35.0218.C66
Gene No.	69699	Strand	
Start	1788	End	2657
Name	OJ000251_35.0218.C66.o1.ts	Method	TBLASTX:Soybean
Start	2211	End	2606
GI	none	Score	54
Exons	2211..2243, 2211..2240, 2247..2606, 2249..2605		

Seq. No.	33628	Seq. ID	OJ000251_35.0218.C66
Gene No.	69699	Strand	
Start	1788	End	2657
Name	OJ000251_35.0218.C66.o5.tw	Method	TBLASTX:Wheat
Start	2319	End	2621

GI	none	Score	388
Exons	2319..2621, 2319..2555, 2321..2605		

Seq. No.	33628	Seq. ID	OJ000251_35.0218.C66
Gene No.	69700	Strand	
Start	2622	End	3125
Name	OJ000251_35.0218.C66.o2.tw	Method	TBLASTX:Wheat
Start	2622	End	3125
GI	none	Score	588
Exons	2622..3125, 2631..2966, 2657..3043		

Seq. No.	33628	Seq. ID	OJ000251_35.0218.C66
Gene No.	69700	Strand	
Start	2622	End	3125
Name	OJ000251_35.0218.C66.o2.ts	Method	TBLASTX:Soybean
Start	2628	End	2873
GI	none	Score	199
Exons	2628..2873		

Seq. No.	33628	Seq. ID	OJ000251_35.0218.C66
Gene No.	69700	Strand	
Start	2622	End	3125
Name	OJ000251_35.0218.C66.o2.tm	Method	TBLASTX:Maize
Start	2694	End	3047
GI	none	Score	442
Exons	2694..3047, 2696..2794, 2745..2963, 2855..3043		

Seq. No.	33628	Seq. ID	OJ000251_35.0218.C66
Gene No.	69701	Strand	
Start	3125	End	3659
Name	OJ000251_35.0218.C66.o4.tw	Method	TBLASTX:Wheat
Start	3125	End	3614
GI	none	Score	380
Exons	3125..3610, 3126..3530, 3469..3570, 3476..3589, 3567..3614		

Seq. No.	33628	Seq. ID	OJ000251_35.0218.C66
Gene No.	69701	Strand	
Start	3125	End	3659
Name	OJ000251_35.0218.C66.o6.tm	Method	TBLASTX:Maize
Start	3264	End	3574
GI	none	Score	155
Exons	3264..3470, 3333..3428, 3473..3574, 3475..3570		

Seq. No.	33628	Seq. ID	OJ000251_35.0218.C66
Gene No.	69701	Strand	
Start	3125	End	3659
Name	OJ000251_35.0218.C66.o3.ts	Method	TBLASTX:Soybean
Start	3473	End	3659
GI	none	Score	104
Exons	3473..3565, 3481..3561, 3572..3658, 3573..3659		

Seq. No.	33628	Seq. ID	OJ000251_35.0218.C66
Gene No.	69702	Strand	
Start	3579	End	4511
Name	OJ000251_35.0218.C66.o5.tm	Method	TBLASTX:Maize
Start	3579	End	3803
GI	none	Score	319

Exons	3579..3803, 3581..3799		
Seq. No.	33628	Seq. ID	OJ000251_35.0218.C66
Gene No.	69702	Strand	
Start	3579	End	4511
Name	OJ000251_35.0218.C66.o1.tw	Method	TBLASTX:Wheat
Start	3621	End	4247
GI	none	Score	675
Exons	3621..4247, 3623..4246		
Seq. No.	33628	Seq. ID	OJ000251_35.0218.C66
Gene No.	69702	Strand	
Start	3579	End	4511
Name	OJ000251_35.0218.C66.o1.tm	Method	TBLASTX:Maize
Start	3804	End	4393
GI	none	Score	222
Exons	3804..3962, 3806..3958, 3832..3966, 3900..4103, 3955..4089, 3959..4387, 3960..4388, 4070..4393		
Seq. No.	33628	Seq. ID	OJ000251_35.0218.C66
Gene No.	69702	Strand	
Start	3579	End	4511
Name	OJ000251_35.0218.C66.o6.tw	Method	TBLASTX:Wheat
Start	4247	End	4511
GI	none	Score	272
Exons	4247..4471, 4248..4511		
Seq. No.	33629	Seq. ID	OJ000251_35.0218.C67
Gene No.	69703	Strand	+
Start	396	End	1058
Name	OJ000251_35.0218.C67.o1.gs	Method	GENSCAN
Start	396	End	1058
GI	none	Score	.86
Exons	396..1058		
Seq. No.	33629	Seq. ID	OJ000251_35.0218.C67
Gene No.	69703	Strand	+
Start	396	End	1058
Name	OJ000251_35.0218.C67.o1.np	Method	AAT/NAP
Start	396	End	920
GI	5257279	Score	815
Exons	396..920		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		
Seq. No.	33629	Seq. ID	OJ000251_35.0218.C67
Gene No.	69704	Strand	-
Start	1315	End	3693
Name	OJ000251_35.0218.C67.o2.gs	Method	GENSCAN
Start	1315	End	3615
GI	none	Score	.91
Exons	1315..2751, 2777..3063, 3081..3615		
Seq. No.	33629	Seq. ID	OJ000251_35.0218.C67
Gene No.	69704	Strand	-
Start	1315	End	3693
Name	OJ000251_35.0218.C67.o2.np	Method	AAT/NAP

Start	1318	End	3693
GI	2443320	Score	3320
Exons	1318..3693		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	33629	Seq. ID	OJ000251_35.0218.C67
Gene No.	69704	Strand	-
Start	1315	End	3693
Name	OJ000251_35.0218.C67.o3.tw	Method	TBLASTX:Wheat
Start	1357	End	1833
GI	none	Score	177
Exons	1357..1629, 1358..1642, 1615..1833, 1616..1828, 1713..1832		

Seq. No.	33629	Seq. ID	OJ000251_35.0218.C67
Gene No.	69704	Strand	-
Start	1315	End	3693
Name	OJ000251_35.0218.C67.o2.tm	Method	TBLASTX:Maize
Start	1369	End	1944
GI	none	Score	188
Exons	1369..1563, 1618..1944		

Seq. No.	33629	Seq. ID	OJ000251_35.0218.C67
Gene No.	69704	Strand	-
Start	1315	End	3693
Name	OJ000251_35.0218.C67.o2.ts	Method	TBLASTX:Soybean
Start	1453	End	1935
GI	none	Score	63
Exons	1453..1557, 1633..1935, 1634..1741		

Seq. No.	33629	Seq. ID	OJ000251_35.0218.C67
Gene No.	69704	Strand	-
Start	1315	End	3693
Name	OJ000251_35.0218.C67.o1.tw	Method	TBLASTX:Wheat
Start	1906	End	2707
GI	none	Score	359
Exons	1906..2370, 1907..2386, 2295..2696, 2356..2703, 2356..2706, 2360..2707		

Seq. No.	33629	Seq. ID	OJ000251_35.0218.C67
Gene No.	69704	Strand	-
Start	1315	End	3693
Name	OJ000251_35.0218.C67.o1.tm	Method	TBLASTX:Maize
Start	2269	End	2701
GI	none	Score	157
Exons	2269..2682, 2336..2701		

Seq. No.	33629	Seq. ID	OJ000251_35.0218.C67
Gene No.	69704	Strand	-
Start	1315	End	3693
Name	OJ000251_35.0218.C67.o1.ts	Method	TBLASTX:Soybean
Start	2387	End	2721
GI	5509260	Score	94
Exons	2387..2545, 2395..2721, 2579..2719		
GI Descrip.	-		

Seq. No.	33629	Seq. ID	OJ000251_35.0218.C67
Gene No.	69704	Strand	-

Start	1315	End	3693
Name	OJ000251_35.0218.C67.o2.tc	Method	TBLASTX:Cress
Start	2482	End	2721
GI	none	Score	88
Exons	2482..2721, 2570..2716		

Seq. No.	33629	Seq. ID	OJ000251_35.0218.C67
Gene No.	69704	Strand	-
Start	1315	End	3693
Name	OJ000251_35.0218.C67.o1.tc	Method	TBLASTX:Cress
Start	2810	End	3336
GI	none	Score	102
Exons	2810..3025, 3052..3120, 3130..3336		

Seq. No.	33629	Seq. ID	OJ000251_35.0218.C67
Gene No.	69704	Strand	-
Start	1315	End	3693
Name	OJ000251_35.0218.C67.o3.tm	Method	TBLASTX:Maize
Start	2900	End	3444
GI	none	Score	64
Exons	2900..3052, 3055..3117, 3142..3444, 3224..3319		

Seq. No.	33629	Seq. ID	OJ000251_35.0218.C67
Gene No.	69704	Strand	-
Start	1315	End	3693
Name	OJ000251_35.0218.C67.o2.tw	Method	TBLASTX:Wheat
Start	2918	End	3582
GI	none	Score	436
Exons	2918..3073, 3052..3582, 3053..3460, 3055..3579		

Seq. No.	33629	Seq. ID	OJ000251_35.0218.C67
Gene No.	69704	Strand	-
Start	1315	End	3693
Name	OJ000251_35.0218.C67.o3.ts	Method	TBLASTX:Soybean
Start	2918	End	3348
GI	none	Score	68
Exons	2918..3052, 3055..3120, 3115..3315, 3121..3348, 3122..3346		

Seq. No.	33630	Seq. ID	OJ000251_35.0218.C68
Gene No.	69705	Strand	+
Start	1	End	1239
Name	OJ000251_35.0218.C68.o1.np	Method	AAT/NAP
Start	1	End	1239
GI	4038056	Score	94
Exons	1..175, 1211..1239		
GI Descrip.	(AC005897) putative TNP2-like transposon protein [Arabidopsis thaliana]		

Seq. No.	33630	Seq. ID	OJ000251_35.0218.C68
Gene No.	69705	Strand	+
Start	1	End	1239
Name	OJ000251_35.0218.C68.o2.np	Method	AAT/NAP
Start	237	End	1239
GI	4680186	Score	201
Exons	237..288, 1127..1239		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	33630	Seq. ID	OJ000251_35.0218.C68
Gene No.	69705	Strand	+
Start	1	End	1239
Name	OJ000251_35.0218.C68.o1.gs	Method	GENSCAN
Start	983	End	1030
GI	none	Score	.91
Exons	983..1030		

Seq. No.	33631	Seq. ID	OJ000251_35.0218.C69
Gene No.	69706	Strand	+
Start	241	End	366
Name	OJ000251_35.0218.C69.o1.gs	Method	GENSCAN
Start	241	End	366
GI	none	Score	.68
Exons	241..366		

Seq. No.	33632	Seq. ID	OJ000251_35.0218.C71
Gene No.	69707	Strand	+
Start	164	End	361
Name	OJ000251_35.0218.C71.o1.gs	Method	GENSCAN
Start	164	End	361
GI	none	Score	.92
Exons	164..361		

Seq. No.	33633	Seq. ID	OJ000251_35.0218.C74
Gene No.	69708	Strand	+
Start	50	End	1883
Name	OJ000251_35.0218.C74.o1.gs	Method	GENSCAN
Start	50	End	1883
GI	none	Score	.42
Exons	50..747, 987..1011, 1071..1326, 1813..1883		

Seq. No.	33633	Seq. ID	OJ000251_35.0218.C74
Gene No.	69709	Strand	-
Start	1	End	2421
Name	OJ000251_35.0218.C74.o1.np	Method	AAT/NAP
Start	1	End	922
GI	6721558	Score	258
Exons	1..122, 823..922		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	33633	Seq. ID	OJ000251_35.0218.C74
Gene No.	69709	Strand	-
Start	1	End	2421
Name	OJ000251_35.0218.C74.o2.np	Method	AAT/NAP
Start	134	End	2421
GI	6721512	Score	68
Exons	134..165, 1733..1867, 2382..2421		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	33634	Seq. ID	OJ000251_35.0218.C75
Gene No.	69710	Strand	+
Start	225	End	316
Name	OJ000251_35.0218.C75.o1.gs	Method	GENSCAN
Start	225	End	316

GI	none	Score	.98
Exons	225..316		
Seq. No.	33635	Seq. ID	OJ000251_35.0218.C77
Gene No.	69711	Strand	+
Start	73	End	549
Name	OJ000251_35.0218.C77.o1.gs	Method	GENSCAN
Start	73	End	541
GI	none	Score	.9
Exons	73..541		
Seq. No.	33635	Seq. ID	OJ000251_35.0218.C77
Gene No.	69711	Strand	+
Start	73	End	549
Name	OJ000251_35.0218.C77.o1.tm	Method	TBLASTX:Maize
Start	193	End	549
GI	none	Score	188
Exons	193..390, 196..399, 404..520,	404..541, 424..549, 427..546	
Seq. No.	33636	Seq. ID	OJ000251_35.0218.C78
Gene No.	69712	Strand	-
Start	173	End	297
Name	OJ000251_35.0218.C78.o1.gs	Method	GENSCAN
Start	173	End	297
GI	none	Score	.91
Exons	173..297		
Seq. No.	33637	Seq. ID	OJ000251_35.0218.C84
Gene No.	69713	Strand	+
Start	286	End	588
Name	OJ000251_35.0218.C84.o1.tw	Method	TBLASTX:Wheat
Start	204	End	560
GI	none	Score	295
Exons	204..560, 205..552		
Seq. No.	33637	Seq. ID	OJ000251_35.0218.C84
Gene No.	69713	Strand	+
Start	286	End	588
Name	OJ000251_35.0218.C84.o1.tm	Method	TBLASTX:Maize
Start	249	End	552
GI	none	Score	268
Exons	249..545, 250..552		
Seq. No.	33637	Seq. ID	OJ000251_35.0218.C84
Gene No.	69713	Strand	+
Start	286	End	588
Name	OJ000251_35.0218.C84.o1.gs	Method	GENSCAN
Start	286	End	588
GI	none	Score	.43
Exons	286..588		
Seq. No.	33638	Seq. ID	OJ000251_35.0218.C85
Gene No.	69714	Strand	+
Start	1	End	411
Name	OJ000251_35.0218.C85.o1.np	Method	AAT/NAP
Start	1	End	411
GI	6721561	Score	85

Exons	1..171, 362..411		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	33639	Seq. ID	OJ000251_36.0217.C1
Gene No.	69715	Strand	+
Start	194	End	278
Name	OJ000251_36.0217.C1.o1.gs	Method	GENSCAN
Start	194	End	278
GI	none	Score	.42
Exons	194..278		
Seq. No.	33640	Seq. ID	OJ000251_36.0217.C4
Gene No.	69716	Strand	-
Start	1	End	375
Name	OJ000251_36.0217.C4.o1.np	Method	AAT/NAP
Start	1	End	375
GI	5441880	Score	90
Exons	1..375		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	33640	Seq. ID	OJ000251_36.0217.C4
Gene No.	69716	Strand	-
Start	1	End	375
Name	OJ000251_36.0217.C4.o1.gs	Method	GENSCAN
Start	68	End	243
GI	none	Score	.93
Exons	68..243		
Seq. No.	33641	Seq. ID	OJ000251_36.0217.C5
Gene No.	69717	Strand	-
Start	1	End	573
Name	OJ000251_36.0217.C5.o1.np	Method	AAT/NAP
Start	1	End	567
GI	6539553	Score	848
Exons	1..567		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	33641	Seq. ID	OJ000251_36.0217.C5
Gene No.	69717	Strand	-
Start	1	End	573
Name	OJ000251_36.0217.C5.o1.tm	Method	TBLASTX:Maize
Start	133	End	438
GI	none	Score	225
Exons	133..420, 133..438, 155..424		
Seq. No.	33641	Seq. ID	OJ000251_36.0217.C5
Gene No.	69717	Strand	-
Start	1	End	573

Name	OJ000251_36.0217.C5.o1.tw	Method	TBLASTX:Wheat
Start	186	End	573
GI	none	Score	216
Exons	186..338, 187..573, 188..562		

Seq. No.	33642	Seq. ID	OJ000251_36.0217.C8
Gene No.	69718	Strand	+
Start	160	End	414
Name	OJ000251_36.0217.C8.o1.gp	Method	AAT/GAP
Start	160	End	414
GI	454466	Score	403
Exons	160..414		

Seq. No.	33642	Seq. ID	OJ000251_36.0217.C8
Gene No.	69719	Strand	-
Start	89	End	225
Name	OJ000251_36.0217.C8.o1.gs	Method	GENSCAN
Start	89	End	225
GI	none	Score	.86
Exons	89..225		

Seq. No.	33643	Seq. ID	OJ000251_36.0217.C9
Gene No.	69720	Strand	-
Start	490	End	534
Name	OJ000251_36.0217.C9.o1.gs	Method	GENSCAN
Start	490	End	534
GI	none	Score	1
Exons	490..534		

Seq. No.	33644	Seq. ID	OJ000251_36.0217.C11
Gene No.	69721	Strand	+
Start	107	End	213
Name	OJ000251_36.0217.C11.o1.gs	Method	GENSCAN
Start	107	End	213
GI	none	Score	.9
Exons	107..213		

Seq. No.	33645	Seq. ID	OJ000251_36.0217.C12
Gene No.	69722	Strand	-
Start	556	End	718
Name	OJ000251_36.0217.C12.o1.gp	Method	AAT/GAP
Start	556	End	718
GI	LIB3432-008-P1-K1-F11	Score	123
Exons	556..576, 629..718		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	33646	Seq. ID	OJ000251_36.0217.C14
Gene No.	69723	Strand	-
Start	121	End	1312
Name	OJ000251_36.0217.C14.o1.gs	Method	GENSCAN
Start	121	End	1312
GI	none	Score	.8
Exons	121..227, 233..503, 1286..1312		

Seq. No.	33646	Seq. ID	OJ000251_36.0217.C14
Gene No.	69724	Strand	-

Start	3483	End	5232
Name	OJ000251_36.0217.C14.o1.gp	Method	AAT/GAP
Start	3303	End	5232
GI	19519_1.R1084	Score	2290
Exons	3303..4154, 4230..4469, 4561..4623, 5104..5232		
GI Descrip.	'4103324 1.0e-166 (AF022716) GDP-mannose pyrophosphorylase [Solanum tuberosum]'		

Seq. No.	33646	Seq. ID	OJ000251_36.0217.C14
Gene No.	69724	Strand	-
Start	3483	End	5232
Name	OJ000251_36.0217.C14.o2.gs	Method	GENSCAN
Start	3483	End	5214
GI	none	Score	1
Exons	3483..4154, 4230..4469, 4561..4623, 5104..5214		

Seq. No.	33646	Seq. ID	OJ000251_36.0217.C14
Gene No.	69724	Strand	-
Start	3483	End	5232
Name	OJ000251_36.0217.C14.o1.np	Method	AAT/NAP
Start	3486	End	5214
GI	4103324	Score	1574
Exons	3486..4154, 4230..4469, 4561..4623, 5104..5214		
GI Descrip.	(AF022716) GDP-mannose pyrophosphorylase [Solanum tuberosum]		

Seq. No.	33646	Seq. ID	OJ000251_36.0217.C14
Gene No.	69725	Strand	-
Start	5885	End	8106
Name	OJ000251_36.0217.C14.o2.tm	Method	TBLASTX:Maize
Start	3445	End	3777
GI	none	Score	393
Exons	3445..3777, 3470..3730, 3483..3776		

Seq. No.	33646	Seq. ID	OJ000251_36.0217.C14
Gene No.	69725	Strand	-
Start	5885	End	8106
Name	OJ000251_36.0217.C14.o2.ts	Method	TBLASTX:Soybean
Start	3478	End	3743
GI	none	Score	85
Exons	3478..3537, 3483..3608, 3483..3743, 3589..3702, 3657..3743		

Seq. No.	33646	Seq. ID	OJ000251_36.0217.C14
Gene No.	69725	Strand	-
Start	5885	End	8106
Name	OJ000251_36.0217.C14.o1.tc	Method	TBLASTX:Cress
Start	3482	End	5254
GI	none	Score	119
Exons	3482..3709, 3483..4154, 3589..4170, 4224..4466, 4225..4470, 4294..4470, 4558..4626, 4559..4624, 5100..5213, 5101..5214, 5101..5214, 5105..5254, 5111..5218		

Seq. No.	33646	Seq. ID	OJ000251_36.0217.C14
Gene No.	69725	Strand	-
Start	5885	End	8106
Name	OJ000251_36.0217.C14.o1.ts	Method	TBLASTX:Soybean
Start	3744	End	5238
GI	none	Score	277

Exons	3744..4157, 3744..4154, 3745..4170, 4016..4156, 4224..4466, 4225..4470, 4297..4470, 4544..4603, 4558..4626, 4559..4624, 5054..5218, 5100..5225, 5101..5238, 5101..5217, 5105..5236		
Seq. No.	33646	Seq. ID	OJ000251_36.0217.C14
Gene No.	69725	Strand	-
Start	5885	End	8106
Name	OJ000251_36.0217.C14.o1.tm	Method	TBLASTX:Maize
Start	3777	End	5251
GI	none	Score	529
Exons	3777..4154, 3778..4176, 3803..4168, 4224..4466, 4225..4470, 4228..4470, 4550..4624, 4558..4626, 5101..5235, 5108..5218, 5108..5251		
Seq. No.	33646	Seq. ID	OJ000251_36.0217.C14
Gene No.	69725	Strand	-
Start	5885	End	8106
Name	OJ000251_36.0217.C14.o1.tw	Method	TBLASTX:Wheat
Start	4104	End	4437
GI	none	Score	84
Exons	4104..4154, 4105..4176, 4209..4433, 4224..4430, 4225..4437, 4229..4432		
Seq. No.	33646	Seq. ID	OJ000251_36.0217.C14
Gene No.	69725	Strand	-
Start	5885	End	8106
Name	OJ000251_36.0217.C14.o3.gs	Method	GENSCAN
Start	5885	End	8106
GI	none	Score	.68
Exons	5885..5973, 6013..6176, 6852..6922, 7303..7468, 8003..8106		
Seq. No.	33646	Seq. ID	OJ000251_36.0217.C14
Gene No.	69725	Strand	-
Start	5885	End	8106
Name	OJ000251_36.0217.C14.o2.gp	Method	AAT/GAP
Start	6067	End	7627
GI	26282_1.R1084	Score	810
Exons	6067..6176, 7303..7627		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	33647	Seq. ID	OJ000251_36.0217.C15
Gene No.	69726	Strand	-
Start	24	End	278
Name	OJ000251_36.0217.C15.o1.gs	Method	GENSCAN
Start	24	End	278
GI	none	Score	.44
Exons	24..278		
Seq. No.	33647	Seq. ID	OJ000251_36.0217.C15
Gene No.	69727	Strand	-
Start	2043	End	2903
Name	OJ000251_36.0217.C15.o1.np	Method	AAT/NAP
Start	2043	End	2903
GI	6063554	Score	150
Exons	2043..2213, 2840..2903		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464)		

correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	33647	Seq. ID	OJ000251_36.0217.C15
Gene No.	69727	Strand	-
Start	2043	End	2903
Name	OJ000251_36.0217.C15.o1.gp	Method	AAT/GAP
Start	2284	End	2658
GI	2427387	Score	618
Exons	2284..2658		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	33647	Seq. ID	OJ000251_36.0217.C15
Gene No.	69727	Strand	-
Start	2043	End	2903
Name	OJ000251_36.0217.C15.o2.gp	Method	AAT/GAP
Start	2657	End	2903
GI	101153_1.R1084	Score	308
Exons	2657..2903		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69728	Strand	+
Start	1	End	97
Name	OJ000251_36.0217.C17.o1.np	Method	AAT/NAP
Start	1	End	97
GI	6630699	Score	112
Exons	1..97		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69729	Strand	+
Start	3712	End	8566
Name	OJ000251_36.0217.C17.o3.np	Method	AAT/NAP
Start	3712	End	8566
GI	6742729	Score	2477
Exons	3712..5378, 8295..8566		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69729	Strand	+
Start	3712	End	8566
Name	OJ000251_36.0217.C17.o1.gp	Method	AAT/GAP
Start	6298	End	7034
GI	101153_1.R1084	Score	654
Exons	6298..6481, 6804..7034		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69730	Strand	-
Start	237	End	2007
Name	OJ000251_36.0217.C17.o2.np	Method	AAT/NAP

Start	237	End	2007
GI	5922620	Score	87
Exons	237..355, 1872..2007		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69731	Strand	-
Start	6188	End	15567
Name	OJ000251_36.0217.C17.o7.tw	Method	TBLASTX:Wheat
Start	3252	End	3605
GI	none	Score	79
Exons	3252..3344, 3342..3458, 3343..3459, 3350..3460, 3419..3574, 3419..3586, 3466..3591, 3477..3605		

Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69731	Strand	-
Start	6188	End	15567
Name	OJ000251_36.0217.C17.o4.ts	Method	TBLASTX:Soybean
Start	3523	End	3951
GI	none	Score	103
Exons	3523..3597, 3682..3951, 3705..3938		

Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69731	Strand	-
Start	6188	End	15567
Name	OJ000251_36.0217.C17.o2.tc	Method	TBLASTX:Cress
Start	3669	End	4032
GI	none	Score	253
Exons	3669..3836, 3691..4032, 3885..4013		

Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69731	Strand	-
Start	6188	End	15567
Name	OJ000251_36.0217.C17.o4.tw	Method	TBLASTX:Wheat
Start	3820	End	4286
GI	none	Score	73
Exons	3820..3876, 3828..3872, 3873..3974, 3874..3978, 3982..4080, 3987..4079, 3990..4082, 4060..4251, 4083..4286		

Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69731	Strand	-
Start	6188	End	15567
Name	OJ000251_36.0217.C17.o4.tm	Method	TBLASTX:Maize
Start	3867	End	4245
GI	none	Score	234
Exons	3867..4118, 3877..4119, 4129..4245		

Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69731	Strand	-
Start	6188	End	15567
Name	OJ000251_36.0217.C17.o6.tw	Method	TBLASTX:Wheat
Start	4380	End	4795
GI	none	Score	104

Exons	4380..4526, 4382..4537, 4382..4525, 4499..4552, 4500..4553, 4502..4555, 4504..4557, 4550..4729, 4567..4647, 4655..4795, 4724..4795		
Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69731	Strand	-
Start	6188	End	15567
Name	OJ000251_36.0217.C17.o5.tm	Method	TBLASTX:Maize
Start	4798	End	5179
GI	none	Score	38
Exons	4798..4842, 4858..4959, 4961..5092, 4962..5126, 5129..5179		
Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69731	Strand	-
Start	6188	End	15567
Name	OJ000251_36.0217.C17.o3.tw	Method	TBLASTX:Wheat
Start	4810	End	9063
GI	none	Score	56
Exons	4810..4905, 4811..4906, 4816..4959, 4848..4970, 4950..5126, 4962..4997, 4970..5125, 5112..5288, 5131..5301, 5132..5362, 5300..5392, 8292..8465, 8293..8481, 8313..8477, 8519..8635, 8522..8620, 8529..8666, 8645..8680, 8646..8687, 8649..8690, 8668..8691, 8693..8779, 8697..8756, 8735..8839, 8757..8849, 8763..8852, 8890..8958, 8890..8973, 8959..9051, 8959..9063		
Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69731	Strand	-
Start	6188	End	15567
Name	OJ000251_36.0217.C17.o3.tc	Method	TBLASTX:Cress
Start	5121	End	8475
GI	none	Score	93
Exons	5121..5288, 5131..5253, 5131..5301, 5132..5362, 5300..5392, 8292..8453, 8299..8475, 8312..8440, 8313..8450		
Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69731	Strand	-
Start	6188	End	15567
Name	OJ000251_36.0217.C17.o2.gs	Method	GENSCAN
Start	6188	End	15346
GI	none	Score	.55
Exons	6188..6510, 6586..6717, 7374..7499, 7703..7804, 8525..8816, 10973..11072, 11163..11229, 11453..11656, 11774..11822, 11861..12133, 12646..12763, 12955..13348, 13459..14618, 14991..15346		
Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69731	Strand	-
Start	6188	End	15567
Name	OJ000251_36.0217.C17.o3.gp	Method	AAT/GAP
Start	8010	End	8356
GI	61605_3.R1084	Score	345
Exons	8010..8356		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69731	Strand	-

Start	6188	End	15567
Name	OJ000251_36.0217.C17.o5.np	Method	AAT/NAP
Start	12954	End	15567
GI	6539553	Score	4131
Exons	12954..15567		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69731	Strand	-
Start	6188	End	15567
Name	OJ000251_36.0217.C17.o2.tw	Method	TBLASTX:Wheat
Start	13092	End	13553
GI	none	Score	101
Exons	13092..13388, 13096..13197, 13125..13394, 13385..13462, 13385..13462, 13386..13463, 13478..13552, 13482..13553		

Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69731	Strand	-
Start	6188	End	15567
Name	OJ000251_36.0217.C17.o5.ts	Method	TBLASTX:Soybean
Start	13200	End	13558
GI	none	Score	93
Exons	13200..13379, 13460..13558		

Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69731	Strand	-
Start	6188	End	15567
Name	OJ000251_36.0217.C17.o3.tm	Method	TBLASTX:Maize
Start	13409	End	13741
GI	none	Score	176
Exons	13409..13741, 13451..13741		

Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69731	Strand	-
Start	6188	End	15567
Name	OJ000251_36.0217.C17.o2.ts	Method	TBLASTX:Soybean
Start	13559	End	13904
GI	none	Score	112
Exons	13559..13903, 13704..13904		

Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69731	Strand	-
Start	6188	End	15567
Name	OJ000251_36.0217.C17.o5.tw	Method	TBLASTX:Wheat
Start	13748	End	14299
GI	none	Score	307
Exons	13748..13915, 13955..14299		

Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69731	Strand	-
Start	6188	End	15567
Name	OJ000251_36.0217.C17.o1.tm	Method	TBLASTX:Maize
Start	13859	End	14300
GI	none	Score	55

Exons	13859..14299, 13938..14048, 13982..14164, 14118..14300		
Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69731	Strand	-
Start	6188	End	15567
Name	OJ000251_36.0217.C17.o1.ts	Method	TBLASTX:Soybean
Start	13970	End	14434
GI	5509260	Score	58
Exons	13970..14434, 13989..14048, 14121..14216		
GI Descrip.	-		
Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69731	Strand	-
Start	6188	End	15567
Name	OJ000251_36.0217.C17.o1.tc	Method	TBLASTX:Cress
Start	14081	End	14363
GI	none	Score	84
Exons	14081..14338, 14169..14363		
Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69731	Strand	-
Start	6188	End	15567
Name	OJ000251_36.0217.C17.o1.tw	Method	TBLASTX:Wheat
Start	14354	End	15109
GI	none	Score	174
Exons	14354..15109, 14364..14513, 14372..14602, 14633..15052, 14655..15101		
Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69731	Strand	-
Start	6188	End	15567
Name	OJ000251_36.0217.C17.o3.ts	Method	TBLASTX:Soybean
Start	14759	End	15157
GI	none	Score	95
Exons	14759..14932, 14933..15157, 14979..15149		
Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69731	Strand	-
Start	6188	End	15567
Name	OJ000251_36.0217.C17.o2.tm	Method	TBLASTX:Maize
Start	14945	End	15379
GI	none	Score	88
Exons	14945..15379, 14970..15170		
Seq. No.	33648	Seq. ID	OJ000251_36.0217.C17
Gene No.	69731	Strand	-
Start	6188	End	15567
Name	OJ000251_36.0217.C17.o8.tw	Method	TBLASTX:Wheat
Start	15110	End	15305
GI	none	Score	181
Exons	15110..15304, 15110..15301, 15213..15305		
Seq. No.	33649	Seq. ID	OJ000251_36.0217.C18
Gene No.	69732	Strand	+
Start	623	End	8794
Name	OJ000251_36.0217.C18.o2.np	Method	AAT/NAP
Start	623	End	8794

GI	5042454	Score	308
Exons	623..856, 1484..2069, 2924..3290, 8674..8794		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	33649	Seq. ID	OJ000251_36.0217.C18
Gene No.	69733	Strand	-
Start	1	End	108
Name	OJ000251_36.0217.C18.o1.np	Method	AAT/NAP
Start	1	End	108
GI	6539553	Score	188
Exons	1..108		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	33649	Seq. ID	OJ000251_36.0217.C18
Gene No.	69734	Strand	-
Start	336	End	8794
Name	OJ000251_36.0217.C18.o1.gs	Method	GENSCAN
Start	336	End	8569
GI	none	Score	64
Exons	336..543, 1107..1306, 1311..1370, 1512..1640, 1691..1782, 2865..2946, 3107..3371, 4092..4212, 4249..4329, 4395..4626, 4881..5148, 5241..5314, 5338..5538, 5631..6399, 6482..6632, 7186..7299, 7417..8569		

Seq. No.	33649	Seq. ID	OJ000251_36.0217.C18
Gene No.	69734	Strand	-
Start	336	End	8794
Name	OJ000251_36.0217.C18.o2.tw	Method	TBLASTX:Wheat
Start	3275	End	6317
GI	none	Score	98
Exons	3275..3376, 5988..6020, 6057..6092, 6126..6254, 6127..6255, 6261..6314, 6264..6317		

Seq. No.	33649	Seq. ID	OJ000251_36.0217.C18
Gene No.	69734	Strand	-
Start	336	End	8794
Name	OJ000251_36.0217.C18.o3.np	Method	AAT/NAP
Start	3702	End	8794
GI	5441880	Score	1037
Exons	3702..3943, 4249..4499, 4906..5170, 5268..5532, 6051..6356, 6463..6636, 7205..7501, 7763..7812, 8254..8794		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	33649	Seq. ID	OJ000251_36.0217.C18
Gene No.	69734	Strand	-
Start	336	End	8794
Name	OJ000251_36.0217.C18.o1.tw	Method	TBLASTX:Wheat
Start	8015	End	8402
GI	none	Score	71
Exons	8015..8212, 8092..8178, 8111..8200, 8157..8204, 8225..8401, 8252..8401, 8253..8402		

Seq. No.	33649	Seq. ID	OJ000251_36.0217.C18
Gene No.	69734	Strand	-
Start	336	End	8794
Name	OJ000251_36.0217.C18.o1.tm	Method	TBLASTX:Maize
Start	8111	End	8693
GI	none	Score	44
Exons	8111..8191, 8163..8189, 8231..8539, 8235..8540, 8540..8692, 8571..8693		

Seq. No.	33650	Seq. ID	OJ000251_36.0217.C19
Gene No.	69735	Strand	-
Start	162	End	895
Name	OJ000251_36.0217.C19.o1.gs	Method	GENSCAN
Start	162	End	895
GI	none	Score	.55
Exons	162..233, 588..672, 732..895		

Seq. No.	33651	Seq. ID	OJ000251_36.0217.C22
Gene No.	69736	Strand	-
Start	1	End	777
Name	OJ000251_36.0217.C22.o1.np	Method	AAT/NAP
Start	1	End	777
GI	5441880	Score	527
Exons	1..777		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	33651	Seq. ID	OJ000251_36.0217.C22
Gene No.	69736	Strand	-
Start	1	End	777
Name	OJ000251_36.0217.C22.o1.tm	Method	TBLASTX:Maize
Start	3	End	291
GI	none	Score	88
Exons	3..137, 4..138, 138..290, 169..291		

Seq. No.	33652	Seq. ID	OJ000251_36.0217.C23
Gene No.	69737	Strand	-
Start	2200	End	3203
Name	OJ000251_36.0217.C23.o2.gs	Method	GENSCAN
Start	2200	End	3162
GI	none	Score	.99
Exons	2200..2587, 2801..3003, 3115..3162		

Seq. No.	33652	Seq. ID	OJ000251_36.0217.C23
Gene No.	69737	Strand	-
Start	2200	End	3203
Name	OJ000251_36.0217.C23.o1.np	Method	AAT/NAP
Start	2206	End	3203
GI	1890575	Score	517
Exons	2206..2587, 2801..2976, 3097..3203		
GI Descrip.	(X93174) xyloglucan endotransglycosylase (XET) [Hordeum vulgare]		

Seq. No.	33652	Seq. ID	OJ000251_36.0217.C23
Gene No.	69737	Strand	-
Start	2200	End	3203
Name	OJ000251_36.0217.C23.o2.ts	Method	TBLASTX:Soybean

Start	2209	End	2580
GI	none	Score	107
Exons	2209..2229, 2239..2298, 2299..2532, 2414..2533, 2527..2580		

Seq. No.	33652	Seq. ID	OJ000251_36.0217.C23
Gene No.	69737	Strand	-
Start	2200	End	3203
Name	OJ000251_36.0217.C23.o2.tc	Method	TBLASTX:Cress
Start	2239	End	3201
GI	none	Score	120
Exons	2239..2274, 2356..2550, 2369..2548, 3112..3201		

Seq. No.	33652	Seq. ID	OJ000251_36.0217.C23
Gene No.	69737	Strand	-
Start	2200	End	3203
Name	OJ000251_36.0217.C23.o2.tm	Method	TBLASTX:Maize
Start	2239	End	3201
GI	none	Score	132
Exons	2239..2298, 2347..2580, 2393..2584, 3112..3201		

Seq. No.	33652	Seq. ID	OJ000251_36.0217.C23
Gene No.	69737	Strand	-
Start	2200	End	3203
Name	OJ000251_36.0217.C23.o1.ts	Method	TBLASTX:Soybean
Start	2788	End	3201
GI	none	Score	161
Exons	2788..2970, 2789..2953, 3112..3201		

Seq. No.	33652	Seq. ID	OJ000251_36.0217.C23
Gene No.	69737	Strand	-
Start	2200	End	3203
Name	OJ000251_36.0217.C23.o1.tm	Method	TBLASTX:Maize
Start	2789	End	2985
GI	none	Score	176
Exons	2789..2953, 2794..2985		

Seq. No.	33652	Seq. ID	OJ000251_36.0217.C23
Gene No.	69737	Strand	-
Start	2200	End	3203
Name	OJ000251_36.0217.C23.o1.tc	Method	TBLASTX:Cress
Start	2794	End	2970
GI	none	Score	159
Exons	2794..2970, 2795..2953		

Seq. No.	33653	Seq. ID	OJ000251_36.0217.C24
Gene No.	69738	Strand	+
Start	1829	End	4190
Name	OJ000251_36.0217.C24.o1.np	Method	AAT/NAP
Start	1829	End	4190
GI	5922634	Score	121
Exons	1829..1928, 3062..3591, 4114..4190		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	33653	Seq. ID	OJ000251_36.0217.C24
Gene No.	69738	Strand	+

Start	1829	End	4190
Name	OJ000251_36.0217.C24.o1.gp	Method	AAT/GAP
Start	3213	End	3536
GI	uC-osflm202102a09b1	Score	473
Exons	3213..3536		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 2.0e-09 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	33653	Seq. ID	OJ000251_36.0217.C24
Gene No.	69739	Strand	-
Start	2651	End	2957
Name	OJ000251_36.0217.C24.o1.gs	Method	GENSCAN
Start	2651	End	2957
GI	none	Score	.88
Exons	2651..2685, 2741..2957		

Seq. No.	33654	Seq. ID	OJ000251_36.0217.C26
Gene No.	69740	Strand	+
Start	1	End	632
Name	OJ000251_36.0217.C26.o1.np	Method	AAT/NAP
Start	1	End	632
GI	6539553	Score	1018
Exons	1..632		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	33654	Seq. ID	OJ000251_36.0217.C26
Gene No.	69740	Strand	+
Start	1	End	632
Name	OJ000251_36.0217.C26.o1.tm	Method	TBLASTX:Maize
Start	71	End	393
GI	none	Score	212
Exons	71..325, 78..392, 98..391, 211..393		

Seq. No.	33654	Seq. ID	OJ000251_36.0217.C26
Gene No.	69740	Strand	+
Start	1	End	632
Name	OJ000251_36.0217.C26.o1.gs	Method	GENSCAN
Start	93	End	208
GI	none	Score	.47
Exons	93..208		

Seq. No.	33655	Seq. ID	OJ000251_36.0217.C29
Gene No.	69741	Strand	+
Start	141	End	2276
Name	OJ000251_36.0217.C29.o1.gs	Method	GENSCAN
Start	141	End	2276
GI	none	Score	.51
Exons	141..275, 533..586, 1355..1450, 2091..2276		

Seq. No.	33655	Seq. ID	OJ000251_36.0217.C29
Gene No.	69741	Strand	+
Start	141	End	2276
Name	OJ000251_36.0217.C29.o1.gp	Method	AAT/GAP
Start	142	End	396

GI	454466	Score	403
Exons	142..396		

Seq. No.	33655	Seq. ID	OJ000251_36.0217.C29
Gene No.	69741	Strand	+
Start	141	End	2276
Name	OJ000251_36.0217.C29.o1.np	Method	AAT/NAP
Start	560	End	1161
GI	4185142	Score	163
Exons	560..894, 984..1161		
GI Descrip.	(AC005724) putative SNF2/RAD54 family DNA repair and recombination protein [Arabidopsis thaliana]		

Seq. No.	33655	Seq. ID	OJ000251_36.0217.C29
Gene No.	69742	Strand	-
Start	3287	End	6172
Name	OJ000251_36.0217.C29.o2.gs	Method	GENSCAN
Start	3287	End	6172
GI	none	Score	.72
Exons	3287..3393, 6067..6172		

Seq. No.	33656	Seq. ID	OJ000251_36.0217.C30
Gene No.	69743	Strand	+
Start	311	End	1944
Name	OJ000251_36.0217.C30.o1.np	Method	AAT/NAP
Start	311	End	1944
GI	6728874	Score	718
Exons	311..489, 1115..1944		
GI Descrip.	(AC008113) F12A21.16 [Arabidopsis thaliana]		

Seq. No.	33656	Seq. ID	OJ000251_36.0217.C30
Gene No.	69743	Strand	+
Start	311	End	1944
Name	OJ000251_36.0217.C30.o1.gp	Method	AAT/GAP
Start	1529	End	1857
GI	427011	Score	554
Exons	1529..1857		

Seq. No.	33656	Seq. ID	OJ000251_36.0217.C30
Gene No.	69744	Strand	+
Start	2847	End	3589
Name	OJ000251_36.0217.C30.o2.gp	Method	AAT/GAP
Start	2847	End	3486
GI	none	Score	851
Exons	2847..3219, 3370..3486		

Seq. No.	33656	Seq. ID	OJ000251_36.0217.C30
Gene No.	69744	Strand	+
Start	2847	End	3589
Name	OJ000251_36.0217.C30.o3.gp	Method	AAT/GAP
Start	2950	End	3589
GI	none	Score	847
Exons	2950..3219, 3370..3589		

Seq. No.	33656	Seq. ID	OJ000251_36.0217.C30
Gene No.	69745	Strand	+
Start	6364	End	10329

Name	OJ000251_36.0217.C30.o2.np	Method	AAT/NAP
Start	6221	End	9700
GI	2583130	Score	215
Exons	6221..6272, 9050..9700		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	33656	Seq. ID	OJ000251_36.0217.C30
Gene No.	69745	Strand	+
Start	6364	End	10329
Name	OJ000251_36.0217.C30.o3.gs	Method	GENSCAN
Start	6364	End	8324
GI	none	Score	.84
Exons	6364..6583, 6610..6707, 6737..6876, 7514..7595, 8259..8324		

Seq. No.	33656	Seq. ID	OJ000251_36.0217.C30
Gene No.	69745	Strand	+
Start	6364	End	10329
Name	OJ000251_36.0217.C30.o3.np	Method	AAT/NAP
Start	6786	End	10329
GI	4335717	Score	83
Exons	6786..6808, 9488..9713, 10288..10329		
GI Descrip.	(AC006248) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	33656	Seq. ID	OJ000251_36.0217.C30
Gene No.	69746	Strand	-
Start	2612	End	4822
Name	OJ000251_36.0217.C30.o2.gs	Method	GENSCAN
Start	2612	End	4822
GI	none	Score	.65
Exons	2612..2690, 2983..3020, 3518..3694, 3804..3885, 4527..4822		

Seq. No.	33656	Seq. ID	OJ000251_36.0217.C30
Gene No.	69747	Strand	-
Start	9082	End	9309
Name	OJ000251_36.0217.C30.o2.tm	Method	TBLASTX:Maize
Start	994	End	1276
GI	none	Score	178
Exons	994..1197, 994..1197, 995..1213, 1202..1237, 1203..1274, 1225..1275, 1226..1276		

Seq. No.	33656	Seq. ID	OJ000251_36.0217.C30
Gene No.	69747	Strand	-
Start	9082	End	9309
Name	OJ000251_36.0217.C30.o1.tc	Method	TBLASTX:Cress
Start	1206	End	1343
GI	none	Score	204
Exons	1206..1343, 1206..1322		

Seq. No.	33656	Seq. ID	OJ000251_36.0217.C30
Gene No.	69747	Strand	-
Start	9082	End	9309
Name	OJ000251_36.0217.C30.o1.ts	Method	TBLASTX:Soybean
Start	1260	End	1528
GI	none	Score	116
Exons	1260..1343, 1286..1363, 1364..1528, 1368..1523		

Seq. No.	33656	Seq. ID	OJ000251_36.0217.C30
Gene No.	69747	Strand	-
Start	9082	End	9309
Name	OJ000251_36.0217.C30.o3.tm	Method	TBLASTX:Maize
Start	1281	End	1481
GI	none	Score	190
Exons	1281..1409, 1281..1409, 1410..1478, 1412..1480, 1413..1481		

Seq. No.	33656	Seq. ID	OJ000251_36.0217.C30
Gene No.	69747	Strand	-
Start	9082	End	9309
Name	OJ000251_36.0217.C30.o1.tm	Method	TBLASTX:Maize
Start	1481	End	1869
GI	none	Score	110
Exons	1481..1573, 1488..1574, 1488..1577, 1561..1578, 1600..1647, 1602..1649, 1602..1649, 1603..1650, 1637..1690, 1650..1691, 1687..1869, 1688..1867, 1702..1869		

Seq. No.	33656	Seq. ID	OJ000251_36.0217.C30
Gene No.	69747	Strand	-
Start	9082	End	9309
Name	OJ000251_36.0217.C30.o4.gs	Method	GENSCAN
Start	9082	End	9309
GI	none	Score	.59
Exons	9082..9125, 9195..9309		

Seq. No.	33656	Seq. ID	OJ000251_36.0217.C30
Gene No.	69748	Strand	
Start	9214	End	9463
Name	OJ000251_36.0217.C30.o4.tm	Method	TBLASTX:Maize
Start	9214	End	9463
GI	none	Score	97
Exons	9214..9291, 9215..9301, 9303..9461, 9353..9463		

Seq. No.	33657	Seq. ID	OJ000251_36.0217.C31
Gene No.	69749	Strand	+
Start	19071	End	20410
Name	OJ000251_36.0217.C31.o1.gp	Method	AAT/GAP
Start	19000	End	20410
GI	16043_1.R1084	Score	2574
Exons	19000..19552, 19651..20410		
GI Descrip.	'1890573/emb|CAA63661| 1.0e-126 (X93173) xyloglucan endotransglycosylase (XET) [Hordeum vulgare]'		

Seq. No.	33657	Seq. ID	OJ000251_36.0217.C31
Gene No.	69749	Strand	+
Start	19071	End	20410
Name	OJ000251_36.0217.C31.o4.gs	Method	GENSCAN
Start	19071	End	19580
GI	none	Score	.93
Exons	19071..19580		

Seq. No.	33657	Seq. ID	OJ000251_36.0217.C31
Gene No.	69749	Strand	+
Start	19071	End	20410
Name	OJ000251_36.0217.C31.o1.np	Method	AAT/NAP

Start	19074	End	20041
GI	1890573	Score	1098
Exons	19074..19552, 19651..20041		
GI Descrip.	(X93173) xyloglucan endotransglycosylase (XET) [Hordeum vulgare]		

Seq. No.	33657	Seq. ID	OJ000251_36.0217.C31
Gene No.	69750	Strand	-
Start	2383	End	9927
Name	OJ000251_36.0217.C31.o2.gs	Method	GENSCAN
Start	2383	End	9927
GI	none	Score	.43
Exons	2383..2554, 3079..3125, 4727..4762, 5436..5459, 8921..9022, 9087..9183, 9752..9927		

Seq. No.	33657	Seq. ID	OJ000251_36.0217.C31
Gene No.	69751	Strand	-
Start	19640	End	20161
Name	OJ000251_36.0217.C31.o1.tw	Method	TBLASTX:Wheat
Start	19148	End	19412
GI	none	Score	302
Exons	19148..19357, 19149..19412		

Seq. No.	33657	Seq. ID	OJ000251_36.0217.C31
Gene No.	69751	Strand	-
Start	19640	End	20161
Name	OJ000251_36.0217.C31.o1.tm	Method	TBLASTX:Maize
Start	19220	End	20055
GI	none	Score	463
Exons	19220..19552, 19221..19556, 19400..19558, 19652..19849, 19657..19827, 19858..20055, 19859..20044		

Seq. No.	33657	Seq. ID	OJ000251_36.0217.C31
Gene No.	69751	Strand	-
Start	19640	End	20161
Name	OJ000251_36.0217.C31.o1.tc	Method	TBLASTX:Cress
Start	19221	End	20029
GI	none	Score	161
Exons	19221..19364, 19250..19357, 19368..19553, 19409..19552, 19463..19555, 19627..19701, 19658..19702, 19706..19858, 19708..19818, 19901..20029		

Seq. No.	33657	Seq. ID	OJ000251_36.0217.C31
Gene No.	69751	Strand	-
Start	19640	End	20161
Name	OJ000251_36.0217.C31.o1.ts	Method	TBLASTX:Soybean
Start	19224	End	20020
GI	none	Score	152
Exons	19224..19364, 19253..19363, 19362..19556, 19415..19510, 19652..19702, 19706..19846, 19916..20020		

Seq. No.	33657	Seq. ID	OJ000251_36.0217.C31
Gene No.	69751	Strand	-
Start	19640	End	20161
Name	OJ000251_36.0217.C31.o5.gs	Method	GENSCAN
Start	19640	End	20161
GI	none	Score	.75
Exons	19640..20161		

Seq. No.	33657	Seq. ID	OJ000251_36.0217.C31
Gene No.	69751	Strand	-
Start	19640	End	20161
Name	OJ000251_36.0217.C31.o2.tw	Method	TBLASTX:Wheat
Start	19805	End	20049
GI	none	Score	46
Exons	19805..19855, 19886..20035, 19888..20049		

Seq. No.	33658	Seq. ID	OJ000251_36.0217.C32
Gene No.	69752	Strand	+
Start	76	End	890
Name	OJ000251_36.0217.C32.o1.gs	Method	GENSCAN
Start	76	End	890
GI	none	Score	.62
Exons	76..213, 241..371, 468..709, 868..890		

Seq. No.	33658	Seq. ID	OJ000251_36.0217.C32
Gene No.	69753	Strand	-
Start	1392	End	1544
Name	OJ000251_36.0217.C32.o2.gs	Method	GENSCAN
Start	1392	End	1544
GI	none	Score	.41
Exons	1392..1544		

Seq. No.	33659	Seq. ID	OJ000251_36.0217.C33
Gene No.	69754	Strand	-
Start	648	End	790
Name	OJ000251_36.0217.C33.o1.gs	Method	GENSCAN
Start	648	End	790
GI	none	Score	.95
Exons	648..790		

Seq. No.	33660	Seq. ID	OJ000251_36.0217.C34
Gene No.	69755	Strand	+
Start	75	End	1159
Name	OJ000251_36.0217.C34.o1.tw	Method	TBLASTX:Wheat
Start	69	End	456
GI	none	Score	323
Exons	69..455, 80..454, 304..456		

Seq. No.	33660	Seq. ID	OJ000251_36.0217.C34
Gene No.	69755	Strand	+
Start	75	End	1159
Name	OJ000251_36.0217.C34.o1.gs	Method	GENSCAN
Start	75	End	716
GI	none	Score	.65
Exons	75..516, 552..716		

Seq. No.	33660	Seq. ID	OJ000251_36.0217.C34
Gene No.	69755	Strand	+
Start	75	End	1159
Name	OJ000251_36.0217.C34.o1.np	Method	AAT/NAP
Start	75	End	1159
GI	6539553	Score	1683
Exons	75..1159		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1		

(D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No.	33660	Seq. ID	OJ000251_36.0217.C34
Gene No.	69755	Strand	+
Start	75	End	1159
Name	OJ000251_36.0217.C34.o1.tm	Method	TBLASTX:Maize
Start	204	End	509
GI	none	Score	320
Exons	204..509, 218..487, 222..509		

Seq. No.	33660	Seq. ID	OJ000251_36.0217.C34
Gene No.	69755	Strand	+
Start	75	End	1159
Name	OJ000251_36.0217.C34.o2.tm	Method	TBLASTX:Maize
Start	1012	End	1158
GI	none	Score	180
Exons	1012..1158, 1020..1157, 1039..1158		

Seq. No.	33661	Seq. ID	OJ000251_36.0217.C35
Gene No.	69756	Strand	+
Start	344	End	527
Name	OJ000251_36.0217.C35.o1.gs	Method	GENSCAN
Start	344	End	527
GI	none	Score	.71
Exons	344..421, 504..527		

Seq. No.	33662	Seq. ID	OJ000251_32.0217.C1
Gene No.	69757	Strand	+
Start	334	End	9959
Name	OJ000251_32.0217.C1.o2.tm	Method	TBLASTX:Maize
Start	332	End	1134
GI	none	Score	108
Exons	332..439, 333..440, 333..440, 334..477, 352..465, 448..897, 448..909, 449..913, 455..913, 633..917, 711..917, 914..1126, 914..1132, 915..1133, 915..1133, 973..1134		

Seq. No.	33662	Seq. ID	OJ000251_32.0217.C1
Gene No.	69757	Strand	+
Start	334	End	9959
Name	OJ000251_32.0217.C1.o1.gs	Method	GENSCAN
Start	334	End	9588
GI	none	Score	.58
Exons	334..1162, 1266..1324, 1722..2186, 3022..3060, 3488..3653, 4126..4330, 5428..5555, 5736..6632, 6792..7244, 7716..8816, 9568..9588		

Seq. No.	33662	Seq. ID	OJ000251_32.0217.C1
Gene No.	69757	Strand	+
Start	334	End	9959
Name	OJ000251_32.0217.C1.o4.tm	Method	TBLASTX:Maize
Start	2040	End	3587
GI	none	Score	202
Exons	2040..2186, 2044..2193, 2048..2194, 2052..2195, 2066..2203, 3013..3060, 3485..3583, 3486..3587, 3487..3582		

Seq. No.	33662	Seq. ID	OJ000251_32.0217.C1
Gene No.	69757	Strand	+
Start	334	End	9959
Name	OJ000251_32.0217.C1.o1.gp	Method	AAT/GAP
Start	3511	End	3823
GI	3758959	Score	569
Exons	3511..3823		

Seq. No.	33662	Seq. ID	OJ000251_32.0217.C1
Gene No.	69757	Strand	+
Start	334	End	9959
Name	OJ000251_32.0217.C1.o1.tc	Method	TBLASTX:Cress
Start	5804	End	8713
GI	none	Score	42
Exons	5804..5860, 5867..5905, 6086..6244, 6818..6931, 7178..7249, 7778..8131, 7859..8098, 7924..8121, 7983..8147, 8150..8713, 8230..8457		

Seq. No.	33662	Seq. ID	OJ000251_32.0217.C1
Gene No.	69757	Strand	+
Start	334	End	9959
Name	OJ000251_32.0217.C1.o3.tm	Method	TBLASTX:Maize
Start	7057	End	7246
GI	none	Score	203
Exons	7057..7224, 7058..7246		

Seq. No.	33662	Seq. ID	OJ000251_32.0217.C1
Gene No.	69757	Strand	+
Start	334	End	9959
Name	OJ000251_32.0217.C1.o1.np	Method	AAT/NAP
Start	7163	End	9959
GI	6665543	Score	866
Exons	7163..7244, 7409..7498, 7650..8697, 9933..9959		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	33662	Seq. ID	OJ000251_32.0217.C1
Gene No.	69757	Strand	+
Start	334	End	9959
Name	OJ000251_32.0217.C1.o1.tm	Method	TBLASTX:Maize
Start	7727	End	8698
GI	none	Score	405
Exons	7727..8152, 7847..7921, 7927..8145, 8159..8698, 8230..8475, 8629..8679		

Seq. No.	33662	Seq. ID	OJ000251_32.0217.C1
Gene No.	69757	Strand	+
Start	334	End	9959
Name	OJ000251_32.0217.C1.o1.ts	Method	TBLASTX:Soybean
Start	7730	End	8527
GI	none	Score	172
Exons	7730..7984, 7817..7936, 7982..8131, 7993..8121, 8156..8527, 8162..8458, 8248..8478		

Seq. No.	33662	Seq. ID	OJ000251_32.0217.C1
Gene No.	69757	Strand	+
Start	334	End	9959
Name	OJ000251_32.0217.C1.o1.tw	Method	TBLASTX:Wheat

Start	7787	End	8191
GI	none	Score	403
Exons	7787..8131, 7839..7949, 7924..8112, 7976..8152, 8153..8191		

Seq. No.	33662	Seq. ID	OJ000251_32.0217.C1
Gene No.	69757	Strand	+
Start	334	End	9959
Name	OJ000251_32.0217.C1.o2.tw	Method	TBLASTX:Wheat
Start	8233	End	8481
GI	none	Score	122
Exons	8233..8316, 8234..8341, 8342..8479, 8356..8481		

Seq. No.	33663	Seq. ID	OJ000251_32.0217.C2
Gene No.	69758	Strand	-
Start	329	End	4971
Name	OJ000251_32.0217.C2.o1.np	Method	AAT/NAP
Start	329	End	4971
GI	6466937	Score	2207
Exons	329..384, 1356..4971		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	33663	Seq. ID	OJ000251_32.0217.C2
Gene No.	69758	Strand	-
Start	329	End	4971
Name	OJ000251_32.0217.C2.o3.tm	Method	TBLASTX:Maize
Start	1325	End	2050
GI	none	Score	92
Exons	1325..1567, 1422..1556, 1643..2050, 1746..1886, 1959..2039		

Seq. No.	33663	Seq. ID	OJ000251_32.0217.C2
Gene No.	69758	Strand	-
Start	329	End	4971
Name	OJ000251_32.0217.C2.o3.tw	Method	TBLASTX:Wheat
Start	1610	End	1945
GI	none	Score	118
Exons	1610..1945, 1635..1886, 1643..1912		

Seq. No.	33663	Seq. ID	OJ000251_32.0217.C2
Gene No.	69758	Strand	-
Start	329	End	4971
Name	OJ000251_32.0217.C2.o6.tw	Method	TBLASTX:Wheat
Start	1991	End	2165
GI	none	Score	78
Exons	1991..2158, 2007..2165		

Seq. No.	33663	Seq. ID	OJ000251_32.0217.C2
Gene No.	69758	Strand	-
Start	329	End	4971
Name	OJ000251_32.0217.C2.o4.tm	Method	TBLASTX:Maize
Start	2051	End	2653
GI	none	Score	61
Exons	2051..2194, 2063..2158, 2064..2177, 2159..2653, 2190..2567, 2192..2632		

Seq. No.	33663	Seq. ID	OJ000251_32.0217.C2
Gene No.	69758	Strand	-

Start	329	End	4971
Name	OJ000251_32.0217.C2.o5.tw	Method	TBLASTX:Wheat
Start	2183	End	2437
GI	none	Score	50
Exons	2183..2437, 2190..2339		

Seq. No.	33663	Seq. ID	OJ000251_32.0217.C2
Gene No.	69758	Strand	-
Start	329	End	4971
Name	OJ000251_32.0217.C2.o1.ts	Method	TBLASTX:Soybean
Start	2246	End	2618
GI	none	Score	156
Exons	2246..2617, 2337..2618		

Seq. No.	33663	Seq. ID	OJ000251_32.0217.C2
Gene No.	69758	Strand	-
Start	329	End	4971
Name	OJ000251_32.0217.C2.o2.tw	Method	TBLASTX:Wheat
Start	2486	End	2884
GI	none	Score	62
Exons	2486..2626, 2486..2884		

Seq. No.	33663	Seq. ID	OJ000251_32.0217.C2
Gene No.	69758	Strand	-
Start	329	End	4971
Name	OJ000251_32.0217.C2.o5.tm	Method	TBLASTX:Maize
Start	2654	End	3061
GI	none	Score	55
Exons	2654..2890, 2714..2860, 2879..3061, 2880..3059		

Seq. No.	33663	Seq. ID	OJ000251_32.0217.C2
Gene No.	69758	Strand	-
Start	329	End	4971
Name	OJ000251_32.0217.C2.o1.tm	Method	TBLASTX:Maize
Start	3062	End	3598
GI	none	Score	157
Exons	3062..3598, 3080..3598, 3093..3593		

Seq. No.	33663	Seq. ID	OJ000251_32.0217.C2
Gene No.	69758	Strand	-
Start	329	End	4971
Name	OJ000251_32.0217.C2.o4.ts	Method	TBLASTX:Soybean
Start	3065	End	3319
GI	none	Score	121
Exons	3065..3319, 3114..3317		

Seq. No.	33663	Seq. ID	OJ000251_32.0217.C2
Gene No.	69758	Strand	-
Start	329	End	4971
Name	OJ000251_32.0217.C2.o4.tw	Method	TBLASTX:Wheat
Start	3230	End	3628
GI	none	Score	132
Exons	3230..3628, 3264..3620		

Seq. No.	33663	Seq. ID	OJ000251_32.0217.C2
Gene No.	69758	Strand	-
Start	329	End	4971

Name	OJ000251_32.0217.C2.o2.ts	Method	TBLASTX:Soybean
Start	3353	End	3716
GI	none	Score	133
Exons	3353..3703, 3357..3716		

Seq. No.	33663	Seq. ID	OJ000251_32.0217.C2
Gene No.	69758	Strand	-
Start	329	End	4971
Name	OJ000251_32.0217.C2.o1.tw	Method	TBLASTX:Wheat
Start	3680	End	4162
GI	none	Score	114
Exons	3680..4162, 3710..4042, 3714..4082		

Seq. No.	33663	Seq. ID	OJ000251_32.0217.C2
Gene No.	69758	Strand	-
Start	329	End	4971
Name	OJ000251_32.0217.C2.o2.tm	Method	TBLASTX:Maize
Start	3783	End	4310
GI	none	Score	209
Exons	3783..4310, 3785..4261		

Seq. No.	33663	Seq. ID	OJ000251_32.0217.C2
Gene No.	69758	Strand	-
Start	329	End	4971
Name	OJ000251_32.0217.C2.o3.ts	Method	TBLASTX:Soybean
Start	3812	End	4126
GI	none	Score	237
Exons	3812..4126		

Seq. No.	33663	Seq. ID	OJ000251_32.0217.C2
Gene No.	69758	Strand	-
Start	329	End	4971
Name	OJ000251_32.0217.C2.o6.tm	Method	TBLASTX:Maize
Start	4427	End	4705
GI	none	Score	145
Exons	4427..4705, 4433..4618		

Seq. No.	33664	Seq. ID	OJ000251_32.0217.C4
Gene No.	69759	Strand	-
Start	1	End	1092
Name	OJ000251_32.0217.C4.o1.np	Method	AAT/NAP
Start	1	End	401
GI	1946364	Score	156
Exons	1..401		
GI Descrip.	(U93215) putative lipase [Arabidopsis thaliana]		

Seq. No.	33664	Seq. ID	OJ000251_32.0217.C4
Gene No.	69759	Strand	-
Start	1	End	1092
Name	OJ000251_32.0217.C4.o1.gs	Method	GENSCAN
Start	53	End	1092
GI	none	Score	.65
Exons	53..328, 518..681, 1044..1092		

Seq. No.	33665	Seq. ID	OJ000251_32.0217.C5
Gene No.	69760	Strand	+
Start	99	End	2292

Name	OJ000251_32.0217.C5.o1.gs	Method	GENSCAN
Start	99	End	2292
GI	none	Score	.79
Exons	99..138, 1027..1796, 2018..2292		

Seq. No.	33665	Seq. ID	OJ000251_32.0217.C5
Gene No.	69761	Strand	
Start	2224	End	2421
Name	OJ000251_32.0217.C5.o1.tm	Method	TBLASTX:Maize
Start	2224	End	2421
GI	none	Score	184
Exons	2224..2409, 2226..2387, 2227..2421		

Seq. No.	33666	Seq. ID	OJ000251_32.0217.C6
Gene No.	69762	Strand	+
Start	1	End	1456
Name	OJ000251_32.0217.C6.o1.np	Method	AAT/NAP
Start	1	End	1456
GI	4966347	Score	241
Exons	1..405, 1331..1456		
GI Descrip.	(AC006341) Similar to gb|AJ012423 wall-associated kinase-2 from Arabidopsis thaliana.		

Seq. No.	33666	Seq. ID	OJ000251_32.0217.C6
Gene No.	69763	Strand	-
Start	287	End	3341
Name	OJ000251_32.0217.C6.o1.tm	Method	TBLASTX:Maize
Start	3	End	362
GI	none	Score	316
Exons	3..362, 14..139, 24..353		

Seq. No.	33666	Seq. ID	OJ000251_32.0217.C6
Gene No.	69763	Strand	-
Start	287	End	3341
Name	OJ000251_32.0217.C6.o1.ts	Method	TBLASTX:Soybean
Start	3	End	377
GI	none	Score	217
Exons	3..377, 14..91		

Seq. No.	33666	Seq. ID	OJ000251_32.0217.C6
Gene No.	69763	Strand	-
Start	287	End	3341
Name	OJ000251_32.0217.C6.o1.tc	Method	TBLASTX:Cress
Start	9	End	377
GI	none	Score	281
Exons	9..377, 14..121, 15..122		

Seq. No.	33666	Seq. ID	OJ000251_32.0217.C6
Gene No.	69763	Strand	-
Start	287	End	3341
Name	OJ000251_32.0217.C6.o1.gs	Method	GENSCAN
Start	287	End	3341
GI	none	Score	.81
Exons	287..321, 3194..3341		

Seq. No.	33667	Seq. ID	OJ000251_32.0217.C7
Gene No.	69764	Strand	+

Start	2172	End	6600
Name	OJ000251_32.0217.C7.o1.gs	Method	GENSCAN
Start	2172	End	6600
GI	none	Score	.52
Exons	2172..3078, 3193..3708, 4052..5073, 6062..6139, 6219..6296, 6376..6600		

Seq. No.	33667	Seq. ID	OJ000251_32.0217.C7
Gene No.	69764	Strand	+
Start	2172	End	6600
Name	OJ000251_32.0217.C7.o1.np	Method	AAT/NAP
Start	3626	End	6351
GI	6665543	Score	903
Exons	3626..3708, 3832..3921, 4052..5107, 6325..6351		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	33667	Seq. ID	OJ000251_32.0217.C7
Gene No.	69765	Strand	-
Start	1293	End	1364
Name	OJ000251_32.0217.C7.o1.gp	Method	AAT/GAP
Start	1293	End	1364
GI	2312838	Score	68
Exons	1293..1364		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	33667	Seq. ID	OJ000251_32.0217.C7
Gene No.	69766	Strand	
Start	2253	End	5115
Name	OJ000251_32.0217.C7.o3.tm	Method	TBLASTX:Maize
Start	2253	End	2431
GI	none	Score	188
Exons	2253..2429, 2274..2405, 2276..2431		

Seq. No.	33667	Seq. ID	OJ000251_32.0217.C7
Gene No.	69766	Strand	
Start	2253	End	5115
Name	OJ000251_32.0217.C7.o1.tc	Method	TBLASTX:Cress
Start	2280	End	5115
GI	none	Score	101
Exons	2280..2378, 2559..2732, 3000..3074, 3219..3290, 3642..3704, 4180..4533, 4255..4500, 4335..4514, 4554..4859, 4555..5115, 4564..4872		

Seq. No.	33667	Seq. ID	OJ000251_32.0217.C7
Gene No.	69766	Strand	
Start	2253	End	5115
Name	OJ000251_32.0217.C7.o2.tm	Method	TBLASTX:Maize
Start	2925	End	3722
GI	none	Score	51
Exons	2925..2978, 3015..3080, 3518..3712, 3519..3713, 3528..3722, 3530..3715		

Seq. No.	33667	Seq. ID	OJ000251_32.0217.C7
Gene No.	69766	Strand	
Start	2253	End	5115
Name	OJ000251_32.0217.C7.o1.tm	Method	TBLASTX:Maize

Start	4129	End	5100
GI	none	Score	413
Exons	4129..4548, 4246..4524, 4329..4595, 4561..5100, 4578..4913, 4603..5091		

Seq. No.	33667	Seq. ID	OJ000251_32.0217.C7
Gene No.	69766	Strand	
Start	2253	End	5115
Name	OJ000251_32.0217.C7.o1.ts	Method	TBLASTX:Soybean
Start	4132	End	4929
GI	none	Score	171
Exons	4132..4386, 4222..4389, 4384..4533, 4395..4529, 4558..4929, 4563..4880		

Seq. No.	33667	Seq. ID	OJ000251_32.0217.C7
Gene No.	69766	Strand	
Start	2253	End	5115
Name	OJ000251_32.0217.C7.o1.tw	Method	TBLASTX:Wheat
Start	4189	End	4614
GI	none	Score	410
Exons	4189..4533, 4229..4351, 4332..4514, 4555..4614		

Seq. No.	33667	Seq. ID	OJ000251_32.0217.C7
Gene No.	69766	Strand	
Start	2253	End	5115
Name	OJ000251_32.0217.C7.o2.tw	Method	TBLASTX:Wheat
Start	4615	End	4883
GI	none	Score	133
Exons	4615..4743, 4744..4881, 4758..4883		

Seq. No.	33668	Seq. ID	OJ000251_32.0217.C8
Gene No.	69767	Strand	+
Start	1888	End	2327
Name	OJ000251_32.0217.C8.o1.gs	Method	GENSCAN
Start	1888	End	2327
GI	none	Score	.77
Exons	1888..2066, 2229..2327		

Seq. No.	33668	Seq. ID	OJ000251_32.0217.C8
Gene No.	69768	Strand	+
Start	2493	End	2654
Name	OJ000251_32.0217.C8.o2.gs	Method	GENSCAN
Start	2493	End	2654
GI	none	Score	.97
Exons	2493..2543, 2577..2654		

Seq. No.	33668	Seq. ID	OJ000251_32.0217.C8
Gene No.	69769	Strand	+
Start	3128	End	4378
Name	OJ000251_32.0217.C8.o3.gs	Method	GENSCAN
Start	3128	End	4378
GI	none	Score	.85
Exons	3128..3335, 3836..3976, 4030..4173, 4251..4378		

Seq. No.	33669	Seq. ID	OJ000251_32.0217.C9
Gene No.	69770	Strand	+
Start	12875	End	13799

Name	OJ000251_32.0217.C9.o2.gs	Method	GENSCAN
Start	12875	End	13799
GI	none	Score	.75
Exons	12875..13075, 13563..13799		

Seq. No.	33669	Seq. ID	OJ000251_32.0217.C9
Gene No.	69771	Strand	-
Start	1087	End	12876
Name	OJ000251_32.0217.C9.o1.gs	Method	GENSCAN
Start	1087	End	11474
GI	none	Score	.72
Exons	1087..1207, 1814..2229, 3471..3561, 4189..4310, 5189..5437, 5680..5766, 6132..6344, 6508..6630, 6982..7197, 7620..7667, 7751..7816, 8323..8385, 9838..10008, 10530..10600, 11037..11161, 11467..11474		

Seq. No.	33669	Seq. ID	OJ000251_32.0217.C9
Gene No.	69771	Strand	-
Start	1087	End	12876
Name	OJ000251_32.0217.C9.o1.np	Method	AAT/NAP
Start	1096	End	12876
GI	6465806	Score	1455
Exons	1096..1207, 1814..2229, 3471..3561, 4189..4310, 5189..5443, 5680..5766, 6132..6322, 6477..6630, 6994..7197, 7317..7358, 7438..7533, 7620..7667, 7751..7816, 7926..7970, 8323..8385, 10530..10600, 11037..11137, 11609..11685, 12829..12876		
GI Descrip.	(AJ130878) GCN4-complementing protein (GCP1) [Arabidopsis thaliana]		

Seq. No.	33669	Seq. ID	OJ000251_32.0217.C9
Gene No.	69771	Strand	-
Start	1087	End	12876
Name	OJ000251_32.0217.C9.o1.gp	Method	AAT/GAP
Start	2042	End	3525
GI	3107662	Score	446
Exons	2042..2231, 3392..3525		

Seq. No.	33669	Seq. ID	OJ000251_32.0217.C9
Gene No.	69771	Strand	-
Start	1087	End	12876
Name	OJ000251_32.0217.C9.o2.gp	Method	AAT/GAP
Start	5328	End	6308
GI	LIB3434-026-P1-K1-B6	Score	628
Exons	5328..5437, 5680..5766, 6132..6308		
GI Descrip.	'1931654 2.0e-19 (U95973) BRCA1-associated RING domain protein isolog [Arabidopsis thaliana]'		

Seq. No.	33669	Seq. ID	OJ000251_32.0217.C9
Gene No.	69772	Strand	-
Start	14018	End	15847
Name	OJ000251_32.0217.C9.o3.gs	Method	GENSCAN
Start	14018	End	15847
GI	none	Score	.58
Exons	14018..14573, 14755..14914, 15718..15847		

Seq. No.	33669	Seq. ID	OJ000251_32.0217.C9
Gene No.	69773	Strand	-

Start	16616	End	16689
Name	OJ000251_32.0217.C9.o3.gp	Method	AAT/GAP
Start	16616	End	16689
GI	5816507	Score	101
Exons	16616..16689		
GI Descrip.	5257255/dbj|AP000364.1|AP000364 1.0e-17 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07		

Seq. No.	33669	Seq. ID	OJ000251_32.0217.C9
Gene No.	69774	Strand	-
Start	18136	End	19278
Name	OJ000251_32.0217.C9.o4.gs	Method	GENSCAN
Start	18136	End	19278
GI	none	Score	.63
Exons	18136..18195, 18938..19042, 19072..19278		

Seq. No.	33669	Seq. ID	OJ000251_32.0217.C9
Gene No.	69775	Strand	-
Start	20761	End	21730
Name	OJ000251_32.0217.C9.o2.tm	Method	TBLASTX:Maize
Start	1100	End	3581
GI	none	Score	162
Exons	1100..1219, 1100..1207, 1102..1230, 1793..2230, 1813..2232, 1813..2232, 3487..3561, 3489..3560, 3492..3581		

Seq. No.	33669	Seq. ID	OJ000251_32.0217.C9
Gene No.	69775	Strand	-
Start	20761	End	21730
Name	OJ000251_32.0217.C9.o2.ts	Method	TBLASTX:Soybean
Start	4242	End	5327
GI	none	Score	156
Exons	4242..4310, 5187..5327, 5187..5315, 5195..5326		

Seq. No.	33669	Seq. ID	OJ000251_32.0217.C9
Gene No.	69775	Strand	-
Start	20761	End	21730
Name	OJ000251_32.0217.C9.o2.tc	Method	TBLASTX:Cress
Start	7066	End	7542
GI	none	Score	94
Exons	7066..7200, 7105..7191, 7314..7358, 7433..7534, 7441..7542, 7441..7539		

Seq. No.	33669	Seq. ID	OJ000251_32.0217.C9
Gene No.	69775	Strand	-
Start	20761	End	21730
Name	OJ000251_32.0217.C9.o3.ts	Method	TBLASTX:Soybean
Start	7150	End	7819
GI	none	Score	43
Exons	7150..7200, 7310..7360, 7314..7361, 7314..7358, 7405..7533, 7427..7534, 7433..7537, 7437..7538, 7617..7670, 7618..7659, 7751..7819		

Seq. No.	33669	Seq. ID	OJ000251_32.0217.C9
Gene No.	69775	Strand	-
Start	20761	End	21730
Name	OJ000251_32.0217.C9.o5.gs	Method	GENSCAN
Start	20761	End	21693

GI	none	Score	.99
Exons	20761..21693		

Seq. No.	33669	Seq. ID	OJ000251_32.0217.C9
Gene No.	69775	Strand	-
Start	20761	End	21730
Name	OJ000251_32.0217.C9.o2.np	Method	AAT/NAP
Start	20789	End	21730
GI	3355308	Score	713
Exons	20789..21730		
GI Descrip.	(AJ009695) wall-associated kinase 4 [Arabidopsis thaliana]		

Seq. No.	33669	Seq. ID	OJ000251_32.0217.C9
Gene No.	69775	Strand	-
Start	20761	End	21730
Name	OJ000251_32.0217.C9.o1.tc	Method	TBLASTX:Cress
Start	20938	End	21730
GI	none	Score	182
Exons	20938..21495, 21194..21421, 21208..21489, 21251..21496, 21414..21497, 21511..21729, 21530..21730		

Seq. No.	33669	Seq. ID	OJ000251_32.0217.C9
Gene No.	69775	Strand	-
Start	20761	End	21730
Name	OJ000251_32.0217.C9.o1.tm	Method	TBLASTX:Maize
Start	20953	End	21730
GI	none	Score	230
Exons	20953..21492, 21176..21475, 21193..21489, 21514..21729, 21539..21730		

Seq. No.	33669	Seq. ID	OJ000251_32.0217.C9
Gene No.	69775	Strand	-
Start	20761	End	21730
Name	OJ000251_32.0217.C9.o2.tw	Method	TBLASTX:Wheat
Start	21170	End	21438
GI	none	Score	109
Exons	21170..21307, 21172..21309, 21310..21438		

Seq. No.	33669	Seq. ID	OJ000251_32.0217.C9
Gene No.	69775	Strand	-
Start	20761	End	21730
Name	OJ000251_32.0217.C9.o1.ts	Method	TBLASTX:Soybean
Start	21172	End	21699
GI	none	Score	165
Exons	21172..21495, 21173..21418, 21175..21489, 21399..21491, 21520..21699, 21530..21658		

Seq. No.	33669	Seq. ID	OJ000251_32.0217.C9
Gene No.	69775	Strand	-
Start	20761	End	21730
Name	OJ000251_32.0217.C9.o1.tw	Method	TBLASTX:Wheat
Start	21440	End	21730
GI	none	Score	184
Exons	21440..21490, 21457..21495, 21520..21729, 21521..21730, 21539..21730		

Seq. No.	33670	Seq. ID	OJ000251_32.0217.C10

Gene No.	69776	Strand	-
Start	1	End	5254
Name	OJ000251_32.0217.C10.o1.np	Method	AAT/NAP
Start	1	End	2577
GI	5803260	Score	79
Exons	1..19, 210..293, 543..678, 2554..2577		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	33670	Seq. ID	OJ000251_32.0217.C10
Gene No.	69776	Strand	-
Start	1	End	5254
Name	OJ000251_32.0217.C10.o1.gs	Method	GENSCAN
Start	505	End	5254
GI	none	Score	.49
Exons	505..1061, 2554..2785, 2843..3014, 3621..3811, 4372..4640, 4727..4845, 5145..5254		

Seq. No.	33670	Seq. ID	OJ000251_32.0217.C10
Gene No.	69777	Strand	-
Start	18021	End	19365
Name	OJ000251_32.0217.C10.o1.gp	Method	AAT/GAP
Start	18021	End	19365
GI	1631463	Score	472
Exons	18021..18229, 19295..19365		
GI Descrip.	4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	33670	Seq. ID	OJ000251_32.0217.C10
Gene No.	69778	Strand	-
Start	21100	End	25636
Name	OJ000251_32.0217.C10.o6.tm	Method	TBLASTX:Maize
Start	5246	End	5456
GI	none	Score	91
Exons	5246..5452, 5276..5449, 5301..5456		

Seq. No.	33670	Seq. ID	OJ000251_32.0217.C10
Gene No.	69778	Strand	-
Start	21100	End	25636
Name	OJ000251_32.0217.C10.o3.np	Method	AAT/NAP
Start	21100	End	25636
GI	4680179	Score	7716
Exons	21100..25636		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33670	Seq. ID	OJ000251_32.0217.C10
Gene No.	69778	Strand	-
Start	21100	End	25636
Name	OJ000251_32.0217.C10.o7.tm	Method	TBLASTX:Maize
Start	21124	End	21336
GI	none	Score	193
Exons	21124..21336		

Seq. No.	33670	Seq. ID	OJ000251_32.0217.C10
Gene No.	69778	Strand	-
Start	21100	End	25636
Name	OJ000251_32.0217.C10.o6.tw	Method	TBLASTX:Wheat

Start	21145	End	21478
GI	none	Score	64
Exons	21145..21477, 21166..21327, 21269..21385, 21370..21471, 21425..21478		

Seq. No.	33670	Seq. ID	OJ000251_32.0217.C10
Gene No.	69778	Strand	-
Start	21100	End	25636
Name	OJ000251_32.0217.C10.o1.tm	Method	TBLASTX:Maize
Start	21337	End	21924
GI	none	Score	251
Exons	21337..21765, 21338..21763, 21763..21924, 21770..21916		

Seq. No.	33670	Seq. ID	OJ000251_32.0217.C10
Gene No.	69778	Strand	-
Start	21100	End	25636
Name	OJ000251_32.0217.C10.o1.tw	Method	TBLASTX:Wheat
Start	21478	End	22103
GI	none	Score	276
Exons	21478..21930, 21479..21931, 21927..22103, 21952..22101		

Seq. No.	33670	Seq. ID	OJ000251_32.0217.C10
Gene No.	69778	Strand	-
Start	21100	End	25636
Name	OJ000251_32.0217.C10.o4.tm	Method	TBLASTX:Maize
Start	21972	End	22263
GI	none	Score	262
Exons	21972..22262, 21976..22263		

Seq. No.	33670	Seq. ID	OJ000251_32.0217.C10
Gene No.	69778	Strand	-
Start	21100	End	25636
Name	OJ000251_32.0217.C10.o2.ts	Method	TBLASTX:Soybean
Start	22062	End	22322
GI	none	Score	151
Exons	22062..22322, 22063..22317		

Seq. No.	33670	Seq. ID	OJ000251_32.0217.C10
Gene No.	69778	Strand	-
Start	21100	End	25636
Name	OJ000251_32.0217.C10.o1.tc	Method	TBLASTX:Cress
Start	22086	End	22403
GI	none	Score	92
Exons	22086..22229, 22087..22227, 22230..22403		

Seq. No.	33670	Seq. ID	OJ000251_32.0217.C10
Gene No.	69778	Strand	-
Start	21100	End	25636
Name	OJ000251_32.0217.C10.o3.tw	Method	TBLASTX:Wheat
Start	22110	End	22589
GI	none	Score	306
Exons	22110..22589, 22111..22518, 22143..22556		

Seq. No.	33670	Seq. ID	OJ000251_32.0217.C10
Gene No.	69778	Strand	-
Start	21100	End	25636
Name	OJ000251_32.0217.C10.o2.tw	Method	TBLASTX:Wheat

Start	22593	End	23103
GI	none	Score	55
Exons	22593..23102, 22594..22716, 22759..23070	22677..23060, 22678..23103,	

Seq. No.	33670	Seq. ID	OJ000251_32.0217.C10
Gene No.	69778	Strand	-
Start	21100	End	25636
Name	OJ000251_32.0217.C10.o2.tm	Method	TBLASTX:Maize
Start	22665	End	23030
GI	none	Score	159
Exons	22665..22976, 22677..23030, 22762..23028		

Seq. No.	33670	Seq. ID	OJ000251_32.0217.C10
Gene No.	69778	Strand	-
Start	21100	End	25636
Name	OJ000251_32.0217.C10.o3.ts	Method	TBLASTX:Soybean
Start	22851	End	23096
GI	none	Score	198
Exons	22851..23096		

Seq. No.	33670	Seq. ID	OJ000251_32.0217.C10
Gene No.	69778	Strand	-
Start	21100	End	25636
Name	OJ000251_32.0217.C10.o3.tm	Method	TBLASTX:Maize
Start	23067	End	23567
GI	none	Score	92
Exons	23067..23402, 23073..23315, 23185..23316, 23388..23567		

Seq. No.	33670	Seq. ID	OJ000251_32.0217.C10
Gene No.	69778	Strand	-
Start	21100	End	25636
Name	OJ000251_32.0217.C10.o5.tw	Method	TBLASTX:Wheat
Start	23104	End	23405
GI	none	Score	250
Exons	23104..23385, 23109..23405, 23303..23404		

Seq. No.	33670	Seq. ID	OJ000251_32.0217.C10
Gene No.	69778	Strand	-
Start	21100	End	25636
Name	OJ000251_32.0217.C10.o1.ts	Method	TBLASTX:Soybean
Start	23118	End	23513
GI	none	Score	110
Exons	23118..23309, 23118..23477, 23119..23382, 23397..23477, 23469..23513, 23481..23513		

Seq. No.	33670	Seq. ID	OJ000251_32.0217.C10
Gene No.	69778	Strand	-
Start	21100	End	25636
Name	OJ000251_32.0217.C10.o4.tw	Method	TBLASTX:Wheat
Start	23454	End	23936
GI	none	Score	165
Exons	23454..23936, 23463..23807, 23629..23832		

Seq. No.	33670	Seq. ID	OJ000251_32.0217.C10
Gene No.	69778	Strand	-
Start	21100	End	25636

Name	OJ000251_32.0217.C10.o4.ts	Method	TBLASTX:Soybean
Start	23586	End	23900
GI	none	Score	185
Exons	23586..23900		

Seq. No.	33670	Seq. ID	OJ000251_32.0217.C10
Gene No.	69778	Strand	-
Start	21100	End	25636
Name	OJ000251_32.0217.C10.o5.tm	Method	TBLASTX:Maize
Start	23635	End	23924
GI	none	Score	165
Exons	23635..23826, 23637..23924		

Seq. No.	33670	Seq. ID	OJ000251_32.0217.C10
Gene No.	69778	Strand	-
Start	21100	End	25636
Name	OJ000251_32.0217.C10.o8.tw	Method	TBLASTX:Wheat
Start	24092	End	24514
GI	none	Score	109
Exons	24092..24280, 24099..24254, 24320..24514, 24366..24464		

Seq. No.	33670	Seq. ID	OJ000251_32.0217.C10
Gene No.	69778	Strand	-
Start	21100	End	25636
Name	OJ000251_32.0217.C10.o7.tw	Method	TBLASTX:Wheat
Start	25032	End	25391
GI	none	Score	132
Exons	25032..25391, 25033..25365		

Seq. No.	33671	Seq. ID	OJ000251_28.0218.C1
Gene No.	69779	Strand	+
Start	1	End	2643
Name	OJ000251_28.0218.C1.o1.np	Method	AAT/NAP
Start	1	End	2640
GI	6691716	Score	1936
Exons	1..605, 803..995, 1078..1123, 1151..1406, 1493..1680, 1757..1868, 2018..2122, 2195..2640		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	33671	Seq. ID	OJ000251_28.0218.C1
Gene No.	69779	Strand	+
Start	1	End	2643
Name	OJ000251_28.0218.C1.o1.gs	Method	GENSCAN
Start	294	End	2643
GI	none	Score	.83
Exons	294..619, 838..995, 1078..1418, 1493..1693, 1833..1946, 2018..2122, 2195..2643		

Seq. No.	33671	Seq. ID	OJ000251_28.0218.C1
Gene No.	69780	Strand	-
Start	2959	End	9070
Name	OJ000251_28.0218.C1.o2.gs	Method	GENSCAN
Start	2959	End	9070
GI	none	Score	.68
Exons	2959..6040, 6137..7052, 7209..8099, 8281..9070		

Seq. No.	33671	Seq. ID	OJ000251_28.0218.C1
Gene No.	69780	Strand	-
Start	2959	End	9070
Name	OJ000251_28.0218.C1.o5.tw	Method	TBLASTX:Wheat
Start	2971	End	3585
GI	none	Score	80
Exons	2971..3108, 3094..3252, 3307..3585, 3323..3424, 3476..3565		

Seq. No.	33671	Seq. ID	OJ000251_28.0218.C1
Gene No.	69780	Strand	-
Start	2959	End	9070
Name	OJ000251_28.0218.C1.o2.np	Method	AAT/NAP
Start	2995	End	9070
GI	5922631	Score	6700
Exons	2995..5522, 6129..7052, 7179..7330, 7373..7944, 7990..8192, 8443..8687, 8946..9070		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	33671	Seq. ID	OJ000251_28.0218.C1
Gene No.	69780	Strand	-
Start	2959	End	9070
Name	OJ000251_28.0218.C1.o4.tm	Method	TBLASTX:Maize
Start	3010	End	3243
GI	none	Score	100
Exons	3010..3111, 3011..3112, 3091..3243, 3092..3145		

Seq. No.	33671	Seq. ID	OJ000251_28.0218.C1
Gene No.	69780	Strand	-
Start	2959	End	9070
Name	OJ000251_28.0218.C1.o6.tm	Method	TBLASTX:Maize
Start	3355	End	3628
GI	none	Score	56
Exons	3355..3441, 3451..3534, 3464..3538, 3521..3628, 3529..3627		

Seq. No.	33671	Seq. ID	OJ000251_28.0218.C1
Gene No.	69780	Strand	-
Start	2959	End	9070
Name	OJ000251_28.0218.C1.o3.tw	Method	TBLASTX:Wheat
Start	3700	End	4087
GI	none	Score	106
Exons	3700..3885, 3700..4086, 3776..4087		

Seq. No.	33671	Seq. ID	OJ000251_28.0218.C1
Gene No.	69780	Strand	-
Start	2959	End	9070
Name	OJ000251_28.0218.C1.o1.tm	Method	TBLASTX:Maize
Start	3730	End	4093
GI	none	Score	67
Exons	3730..3777, 3731..3778, 3769..4092, 3782..4093		

Seq. No.	33671	Seq. ID	OJ000251_28.0218.C1
Gene No.	69780	Strand	-
Start	2959	End	9070
Name	OJ000251_28.0218.C1.o9.tw	Method	TBLASTX:Wheat
Start	4090	End	4389
GI	none	Score	134
Exons	4090..4230, 4255..4389		

Seq. No.	33671	Seq. ID	OJ000251_28.0218.C1
Gene No.	69780	Strand	-
Start	2959	End	9070
Name	OJ000251_28.0218.C1.o5.tm	Method	TBLASTX:Maize
Start	4321	End	4575
GI	none	Score	193
Exons	4321..4575		

Seq. No.	33671	Seq. ID	OJ000251_28.0218.C1
Gene No.	69780	Strand	-
Start	2959	End	9070
Name	OJ000251_28.0218.C1.o4.tw	Method	TBLASTX:Wheat
Start	4405	End	4827
GI	none	Score	266
Exons	4405..4827, 4415..4819		

Seq. No.	33671	Seq. ID	OJ000251_28.0218.C1
Gene No.	69780	Strand	-
Start	2959	End	9070
Name	OJ000251_28.0218.C1.o2.ts	Method	TBLASTX:Soybean
Start	4448	End	4836
GI	none	Score	159
Exons	4448..4828, 4450..4692, 4732..4836		

Seq. No.	33671	Seq. ID	OJ000251_28.0218.C1
Gene No.	69780	Strand	-
Start	2959	End	9070
Name	OJ000251_28.0218.C1.o8.tw	Method	TBLASTX:Wheat
Start	4827	End	5113
GI	none	Score	76
Exons	4827..4925, 4828..4977, 4831..5112, 5036..5113		

Seq. No.	33671	Seq. ID	OJ000251_28.0218.C1
Gene No.	69780	Strand	-
Start	2959	End	9070
Name	OJ000251_28.0218.C1.o3.tm	Method	TBLASTX:Maize
Start	4951	End	5395
GI	none	Score	89
Exons	4951..4977, 4975..5118, 4988..5119, 5140..5394, 5141..5395		

Seq. No.	33671	Seq. ID	OJ000251_28.0218.C1
Gene No.	69780	Strand	-
Start	2959	End	9070
Name	OJ000251_28.0218.C1.o1.ts	Method	TBLASTX:Soybean
Start	5062	End	5463
GI	none	Score	47
Exons	5062..5463, 5096..5266, 5303..5446		

Seq. No.	33671	Seq. ID	OJ000251_28.0218.C1

Gene No.	69780	Strand	-
Start	2959	End	9070
Name	OJ000251_28.0218.C1.o2.tw	Method	TBLASTX:Wheat
Start	5117	End	5541
GI	none	Score	291
Exons	5117..5488, 5122..5541		

Seq. No.	33671	Seq. ID	OJ000251_28.0218.C1
Gene No.	69780	Strand	-
Start	2959	End	9070
Name	OJ000251_28.0218.C1.o2.tm	Method	TBLASTX:Maize
Start	5626	End	5982
GI	none	Score	214
Exons	5626..5982, 5636..5941		

Seq. No.	33671	Seq. ID	OJ000251_28.0218.C1
Gene No.	69780	Strand	-
Start	2959	End	9070
Name	OJ000251_28.0218.C1.o1.tw	Method	TBLASTX:Wheat
Start	5656	End	6112
GI	none	Score	268
Exons	5656..6111, 5657..6112		

Seq. No.	33671	Seq. ID	OJ000251_28.0218.C1
Gene No.	69780	Strand	-
Start	2959	End	9070
Name	OJ000251_28.0218.C1.o3.ts	Method	TBLASTX:Soybean
Start	5707	End	6072
GI	none	Score	138
Exons	5707..5841, 5848..6072		

Seq. No.	33671	Seq. ID	OJ000251_28.0218.C1
Gene No.	69780	Strand	-
Start	2959	End	9070
Name	OJ000251_28.0218.C1.o6.tw	Method	TBLASTX:Wheat
Start	6332	End	6789
GI	none	Score	146
Exons	6332..6568, 6334..6564, 6613..6789		

Seq. No.	33671	Seq. ID	OJ000251_28.0218.C1
Gene No.	69780	Strand	-
Start	2959	End	9070
Name	OJ000251_28.0218.C1.o7.tw	Method	TBLASTX:Wheat
Start	7366	End	7768
GI	none	Score	126
Exons	7366..7767, 7460..7768		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2
Gene No.	69781	Strand	+
Start	653	End	3836
Name	OJ000251_28.0218.C2.o1.gs	Method	GENSCAN
Start	653	End	3561
GI	none	Score	.43
Exons	653..1028, 1166..1466, 1762..1793, 1826..2249, 2403..2610, 2979..3561		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2

Gene No.	69781	Strand	+
Start	653	End	3836
Name	OJ000251_28.0218.C2.o1.np	Method	AAT/NAP
Start	685	End	3836
GI	4544372	Score	1181
Exons	685..1701, 1762..2178, 2284..3836		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2
Gene No.	69782	Strand	+
Start	13786	End	19041
Name	OJ000251_28.0218.C2.o4.np	Method	AAT/NAP
Start	13786	End	19041
GI	2160712	Score	190
Exons	13786..13868, 14959..15245, 16572..16623, 18976..19041		
GI Descrip.	(U82966) Ca2+-ATPase [Oryza sativa]		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2
Gene No.	69783	Strand	+
Start	26507	End	26869
Name	OJ000251_28.0218.C2.o5.gs	Method	GENSCAN
Start	26507	End	26869
GI	none	Score	.97
Exons	26507..26869		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2
Gene No.	69784	Strand	+
Start	34769	End	37266
Name	OJ000251_28.0218.C2.o7.gs	Method	GENSCAN
Start	34769	End	37266
GI	none	Score	.77
Exons	34769..35116, 35860..36067, 36897..36992, 37111..37266		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2
Gene No.	69784	Strand	+
Start	34769	End	37266
Name	OJ000251_28.0218.C2.o7.np	Method	AAT/NAP
Start	35327	End	35605
GI	5257266	Score	171
Exons	35327..35605		
GI Descrip.	(AP000364) EST C99024(E4337) corresponds to a region of the predicted gene.; Similar to Silk moth; silkworm final instar larvae posterior. (D83241) [Oryza sativa]		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2
Gene No.	69785	Strand	-
Start	4674	End	11380
Name	OJ000251_28.0218.C2.o2.gs	Method	GENSCAN
Start	4674	End	11380
GI	none	Score	.84
Exons	4674..4961, 5232..5291, 5448..5789, 5872..6711, 6842..7069, 7100..7342, 7441..7583, 8189..8285, 9109..9447, 10201..10464, 10571..10987, 11306..11380		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2
Gene No.	69785	Strand	-

Start	4674	End	11380
Name	OJ000251_28.0218.C2.o2.np	Method	AAT/NAP
Start	9082	End	11380
GI	6002712	Score	466
Exons	9082..9447, 10201..10449, 10562..10670, 10705..10987, 11306..11380		
GI Descrip.	(AF133053) S-adenosyl-L-methionine:salicylic acid carboxyl methyltransferase [Clarkia breweri]		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2
Gene No.	69786	Strand	-
Start	14339	End	18738
Name	OJ000251_28.0218.C2.o3.gs	Method	GENSCAN
Start	14339	End	18738
GI	none	Score	.42
Exons	14339..14431, 14814..15021, 15072..15382, 15414..15602, 17395..17591, 18723..18738		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2
Gene No.	69787	Strand	-
Start	19921	End	22197
Name	OJ000251_28.0218.C2.o4.gs	Method	GENSCAN
Start	19921	End	22197
GI	none	Score	.97
Exons	19921..20292, 21016..21279, 21614..21808, 22123..22197		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2
Gene No.	69787	Strand	-
Start	19921	End	22197
Name	OJ000251_28.0218.C2.o1.gp	Method	AAT/GAP
Start	21100	End	21545
GI	2800059	Score	549
Exons	21100..21279, 21392..21545		
GI Descrip.	6006887/gb|AAF00662.1|AC008153_14 8.0e-13 (AC008153) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2
Gene No.	69788	Strand	-
Start	27152	End	31993
Name	OJ000251_28.0218.C2.o1.tw	Method	TBLASTX:Wheat
Start	957	End	1360
GI	none	Score	86
Exons	957..1013, 962..1003, 1008..1079, 1016..1078, 1065..1346, 1078..1293, 1079..1360, 1082..1315		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2
Gene No.	69788	Strand	-
Start	27152	End	31993
Name	OJ000251_28.0218.C2.o3.tm	Method	TBLASTX:Maize
Start	1011	End	1228
GI	none	Score	100
Exons	1011..1079, 1016..1078, 1078..1227, 1079..1228		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2
Gene No.	69788	Strand	-
Start	27152	End	31993
Name	OJ000251_28.0218.C2.o1.tm	Method	TBLASTX:Maize

Start	1229	End	1690
GI	none	Score	538
Exons	1229..1690, 1229..1294, 1231..1317, 1376..1618, 1378..1689		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2
Gene No.	69788	Strand	-
Start	27152	End	31993
Name	OJ000251_28.0218.C2.o4.tw	Method	TBLASTX:Wheat
Start	1361	End	1759
GI	none	Score	188
Exons	1361..1693, 1378..1716, 1658..1759		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2
Gene No.	69788	Strand	-
Start	27152	End	31993
Name	OJ000251_28.0218.C2.o2.ts	Method	TBLASTX:Soybean
Start	1376	End	1846
GI	none	Score	214
Exons	1376..1657, 1414..1551, 1658..1846, 1690..1833		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2
Gene No.	69788	Strand	-
Start	27152	End	31993
Name	OJ000251_28.0218.C2.o1.ts	Method	TBLASTX:Soybean
Start	1997	End	2409
GI	none	Score	158
Exons	1997..2134, 1999..2148, 2155..2409, 2156..2407		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2
Gene No.	69788	Strand	-
Start	27152	End	31993
Name	OJ000251_28.0218.C2.o2.tw	Method	TBLASTX:Wheat
Start	2042	End	2440
GI	none	Score	77
Exons	2042..2131, 2170..2322, 2171..2440		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2
Gene No.	69788	Strand	-
Start	27152	End	31993
Name	OJ000251_28.0218.C2.o4.tm	Method	TBLASTX:Maize
Start	2857	End	3237
GI	none	Score	80
Exons	2857..3015, 3013..3237		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2
Gene No.	69788	Strand	-
Start	27152	End	31993
Name	OJ000251_28.0218.C2.o4.ts	Method	TBLASTX:Soybean
Start	2860	End	3258
GI	none	Score	228
Exons	2860..3258		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2
Gene No.	69788	Strand	-
Start	27152	End	31993
Name	OJ000251_28.0218.C2.o3.tw	Method	TBLASTX:Wheat
Start	3418	End	3821

GI	none	Score	81
Exons	3418..3537, 3555..3821, 3563..3787		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2
Gene No.	69788	Strand	-
Start	27152	End	31993
Name	OJ000251_28.0218.C2.o3.ts	Method	TBLASTX:Soybean
Start	3597	End	3847
GI	none	Score	239
Exons	3597..3842, 3599..3730, 3809..3847		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2
Gene No.	69788	Strand	-
Start	27152	End	31993
Name	OJ000251_28.0218.C2.o5.tm	Method	TBLASTX:Maize
Start	9097	End	29276
GI	none	Score	107
Exons	9097..9300, 9292..9441, 19942..20106, 20137..20286, 28899..29060, 29142..29276		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2
Gene No.	69788	Strand	-
Start	27152	End	31993
Name	OJ000251_28.0218.C2.o2.tm	Method	TBLASTX:Maize
Start	10571	End	31228
GI	none	Score	68
Exons	10571..10681, 10575..10682, 10712..10795, 10713..10787, 10835..10987, 10845..10967, 11306..11389, 11310..11381, 21396..21503, 21422..21502, 21525..21608, 21539..21616, 21656..21808, 21666..21788, 22112..22198, 22123..22212, 30806..30913, 30810..30914, 30908..31030, 30939..31022, 31056..31220, 31061..31228, 31067..31228		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2
Gene No.	69788	Strand	-
Start	27152	End	31993
Name	OJ000251_28.0218.C2.o6.gs	Method	GENSCAN
Start	27152	End	31984
GI	none	Score	.72
Exons	27152..27637, 27752..27898, 27950..28023, 28035..28157, 28937..29282, 30440..30703, 30806..31222, 31907..31984		

Seq. No.	33672	Seq. ID	OJ000251_28.0218.C2
Gene No.	69788	Strand	-
Start	27152	End	31993
Name	OJ000251_28.0218.C2.o6.np	Method	AAT/NAP
Start	28887	End	31993
GI	4006915	Score	440
Exons	28887..29061, 29125..29282, 30440..30679, 30769..31222, 31907..31993		
GI Descrip.	(Z99708) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69789	Strand	+
Start	162	End	6992
Name	OJ000251_28.0218.C4.o1.gs	Method	GENSCAN
Start	162	End	6992

GI	none	Score	.73
Exons	162..861, 1000..1109, 1197..1444, 3599..3712, 3799..4008, 4496..4646, 5687..5824, 6813..6992		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69789	Strand	+
Start	162	End	6992
Name	OJ000251_28.0218.C4.o2.gp	Method	AAT/GAP
Start	4544	End	4646
GI	427406	Score	168
Exons	4544..4646		
GI Descrip.	4582465/gb|AAD24849.1|AC007071_21 7.0e-20 (AC007071) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69790	Strand	+
Start	8916	End	21271
Name	OJ000251_28.0218.C4.o2.gs	Method	GENSCAN
Start	8916	End	21271
GI	none	Score	.45
Exons	8916..10655, 12712..12766, 13954..14056, 14558..14601, 14918..15042, 15098..17470, 17543..21271		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69790	Strand	+
Start	8916	End	21271
Name	OJ000251_28.0218.C4.o2.np	Method	AAT/NAP
Start	9123	End	11997
GI	6006885	Score	812
Exons	9123..10629, 11963..11997		
GI Descrip.	(AC008153) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69790	Strand	+
Start	8916	End	21271
Name	OJ000251_28.0218.C4.o3.np	Method	AAT/NAP
Start	15622	End	21268
GI	6498441	Score	6825
Exons	15622..16685, 17016..17479, 17543..17916, 18100..18234, 18409..18647, 18840..19324, 19496..20893, 20987..21268		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69791	Strand	+
Start	26254	End	35419
Name	OJ000251_28.0218.C4.o6.np	Method	AAT/NAP
Start	26254	End	30380
GI	5042454	Score	169
Exons	26254..26393, 26724..26831, 30363..30380		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69791	Strand	+
Start	26254	End	35419
Name	OJ000251_28.0218.C4.o7.np	Method	AAT/NAP

Start	27749	End	32729
GI	4887755	Score	1149
Exons	27749..28007, 28993..29199, 29330..29413, 29715..29783, 29883..29975, 30051..30203, 30960..31046, 31203..31277, 31402..31524, 31604..31756, 32456..32521, 32643..32729		
GI Descrip.	(AC006533) putative acetolactate synthase [Arabidopsis thaliana]		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69791	Strand	+
Start	26254	End	35419
Name	OJ000251_28.0218.C4.o5.gs	Method	GENSCAN
Start	27796	End	34608
GI	none	Score	.85
Exons	27796..28001, 28983..29199, 29715..29783, 29883..29966, 30051..30203, 30960..31046, 31402..31524, 31604..31756, 32456..32521, 32643..32673, 33840..33923, 34571..34608		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69791	Strand	+
Start	26254	End	35419
Name	OJ000251_28.0218.C4.o5.gp	Method	AAT/GAP
Start	29374	End	31496
GI	22533_1_R1084	Score	1100
Exons	29374..29413, 29715..29783, 29883..29966, 30051..30203, 30960..31046, 31203..31308, 31402..31496		
GI Descrip.	'5931761/emb|CAB56614.1| 8.0e-74 (AJ234901) acetolactate synthase small subunit [Nicotiana plumbaginifolia]'		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69791	Strand	+
Start	26254	End	35419
Name	OJ000251_28.0218.C4.o6.gp	Method	AAT/GAP
Start	32666	End	32908
GI	2798028	Score	478
Exons	32666..32908		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69791	Strand	+
Start	26254	End	35419
Name	OJ000251_28.0218.C4.o8.np	Method	AAT/NAP
Start	33272	End	35419
GI	4103115	Score	103
Exons	33272..33366, 34510..34724, 35299..35419		
GI Descrip.	(AF020576) cytochrome c oxidase [Sciadopitys verticillata]		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69792	Strand	-
Start	3087	End	3643
Name	OJ000251_28.0218.C4.o1.gp	Method	AAT/GAP
Start	3087	End	3643
GI	LIB3431-036-P1-N1-H10	Score	907
Exons	3087..3540, 3611..3643		
GI Descrip.	'4582465/gb|AAD24849.1|AC007071_21 7.0e-20 (AC007071) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69793	Strand	-

Start	6974	End	7255
Name	OJ000251_28.0218.C4.o3.gp	Method	AAT/GAP
Start	6974	End	7255
GI	3106849	Score	476
Exons	6974..7255		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69794	Strand	-
Start	7782	End	7862
Name	OJ000251_28.0218.C4.o4.gp	Method	AAT/GAP
Start	7782	End	7862
GI	38012_1.R1084	Score	107
Exons	7782..7862		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o8.tm	Method	TBLASTX:Maize
Start	1230	End	1973
GI	none	Score	46
Exons	1230..1304, 1305..1643, 1722..1826, 1818..1973		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o6.tm	Method	TBLASTX:Maize
Start	4503	End	6995
GI	none	Score	159
Exons	4503..4646, 4529..4645, 4587..4646, 5684..5824, 5686..5820, 6801..6968, 6809..6994, 6810..6995		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o2.tm	Method	TBLASTX:Maize
Start	9351	End	10616
GI	none	Score	44
Exons	9351..9458, 9444..9596, 9483..9518, 9486..9602, 9536..9868, 9561..9953, 9633..9869, 9636..9899, 9720..9896, 9789..9971, 9863..10048, 9888..10067, 9894..10067, 10077..10220, 10095..10616, 10100..10450, 10176..10193		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o2.tc	Method	TBLASTX:Cress
Start	9444	End	10487
GI	none	Score	209
Exons	9444..9959, 9774..10067, 10077..10382, 10101..10238, 10241..10360, 10362..10487		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o6.tw	Method	TBLASTX:Wheat

Start	9489	End	10324
GI	none	Score	81
Exons	9489..9611, 9834..10085, 9864..10070, 10101..10319, 10106..10324, 10152..10259		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o1.ts	Method	TBLASTX:Soybean
Start	10185	End	10643
GI	none	Score	328
Exons	10185..10643		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o7.tw	Method	TBLASTX:Wheat
Start	15770	End	16162
GI	none	Score	58
Exons	15770..15817, 15824..15922, 15841..15921, 15889..16050, 15905..16162		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o9.tm	Method	TBLASTX:Maize
Start	15775	End	16060
GI	none	Score	193
Exons	15775..16059, 15812..16060		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o5.tw	Method	TBLASTX:Wheat
Start	16170	End	19630
GI	none	Score	234
Exons	16170..16223, 19172..19420, 19196..19420, 19261..19434, 19481..19630, 19492..19629		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o3.tw	Method	TBLASTX:Wheat
Start	16900	End	23170
GI	none	Score	417
Exons	16900..17073, 16901..17386, 16901..17329, 17095..17355, 23063..23170		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o1.tw	Method	TBLASTX:Wheat
Start	17550	End	18013
GI	none	Score	215
Exons	17550..17993, 17551..18012, 17552..18013		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4

Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o5.ts	Method	TBLASTX:Soybean
Start	17591	End	17956
GI	none	Score	117
Exons	17591..17815, 17822..17956		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o3.tm	Method	TBLASTX:Maize
Start	17681	End	18037
GI	none	Score	392
Exons	17681..18037, 17716..18027, 17921..18037		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o5.tm	Method	TBLASTX:Maize
Start	18064	End	18448
GI	none	Score	357
Exons	18064..18429, 18065..18448		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o2.tw	Method	TBLASTX:Wheat
Start	18121	End	18546
GI	none	Score	484
Exons	18121..18546, 18122..18541		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o3.ts	Method	TBLASTX:Soybean
Start	18200	End	18571
GI	none	Score	278
Exons	18200..18571, 18217..18360		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o4.ts	Method	TBLASTX:Soybean
Start	19319	End	19885
GI	5666795	Score	68
Exons	19319..19417, 19493..19630, 19685..19885		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o9.tw	Method	TBLASTX:Wheat
Start	19633	End	19945
GI	none	Score	193
Exons	19633..19809, 19646..19834, 19685..19945		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4

Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o4.tm	Method	TBLASTX:Maize
Start	20138	End	20461
GI	none	Score	362
Exons	20138..20461, 20167..20448		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o4.tw	Method	TBLASTX:Wheat
Start	20275	End	20656
GI	none	Score	375
Exons	20275..20331, 20276..20656, 20279..20530, 20377..20625		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o8.tw	Method	TBLASTX:Wheat
Start	20657	End	21259
GI	none	Score	261
Exons	20657..20941, 20662..20940, 21133..21252, 21134..21259		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o10.tm	Method	TBLASTX:Maize
Start	21128	End	21268
GI	none	Score	190
Exons	21128..21268, 21133..21267		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o3.gs	Method	GENSCAN
Start	21906	End	25144
GI	none	Score	.96
Exons	21906..23328, 23515..23784, 23883..25144		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o4.np	Method	AAT/NAP
Start	21909	End	25144
GI	5803259	Score	4390
Exons	21909..23784, 23883..25144		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o5.np	Method	AAT/NAP
Start	24935	End	26827
GI	5922623	Score	246
Exons	24935..24963, 25982..26057, 26225..26372, 26747..26827		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein		

[Oryza sativa]

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69795	Strand	-
Start	21906	End	26827
Name	OJ000251_28.0218.C4.o4.gs	Method	GENSCAN
Start	25689	End	26130
GI	none	Score	.74
Exons	25689..25821, 25982..26057, 26076..26130		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69796	Strand	
Start	28987	End	32729
Name	OJ000251_28.0218.C4.o1.tc	Method	TBLASTX:Cress
Start	28987	End	32723
GI	none	Score	126
Exons	28987..29127, 29715..29786, 29715..29786, 29726..29788, 29877..29987, 29877..29984, 29882..29974, 30048..30140, 30050..30139, 30960..31052, 31193..31303, 31206..31307, 31399..31536, 31401..31529, 31565..31756, 31601..31759, 31640..31759, 32435..32524, 32435..32524, 32438..32524, 32452..32529, 32640..32678, 32640..32720, 32640..32723, 32642..32722		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69796	Strand	
Start	28987	End	32729
Name	OJ000251_28.0218.C4.o2.ts	Method	TBLASTX:Soybean
Start	28987	End	32678
GI	none	Score	313
Exons	28987..29202, 28992..29141, 29330..29416, 29724..29786, 29726..29788, 29877..29975, 29882..29962, 31221..31307, 31601..31759, 32366..32524, 32640..32678		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69796	Strand	
Start	28987	End	32729
Name	OJ000251_28.0218.C4.o1.tm	Method	TBLASTX:Maize
Start	28996	End	32729
GI	none	Score	114
Exons	28996..29097, 28998..29096, 29134..29193, 31200..31307, 31203..31307, 31204..31314, 31216..31311, 31396..31521, 31399..31527, 31400..31522, 31401..31526, 31550..31573, 31598..31753, 31604..31741, 31609..31761, 32438..32500, 32455..32532, 32482..32523, 32614..32724, 32640..32729, 32642..32728		

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69796	Strand	
Start	28987	End	32729
Name	OJ000251_28.0218.C4.o7.tm	Method	TBLASTX:Maize
Start	29330	End	31052
GI	none	Score	137
Exons	29330..29416, 29330..29416, 29342..29413, 29714..29785, 29715..29786, 29715..29786, 29733..29771, 29877..29987, 29877..29984, 29880..29993, 29882..29974, 30048..30140, 30050..30145, 30955..31047, 30959..31048, 30959..31051,		

30960..31052

Seq. No.	33673	Seq. ID	OJ000251_28.0218.C4
Gene No.	69796	Strand	
Start	28987	End	32729
Name	OJ000251_28.0218.C4.o10.tw	Method	TBLASTX:Wheat
Start	29757	End	32726
GI	none	Score	38
Exons	29757..29786, 29877..29984, 32438..32524, 32452..32523, 32453..32524, 32454..32525, 32640..32726, 32642..32725		

Seq. No.	33674	Seq. ID	OJ000251_28.0218.C5
Gene No.	69797	Strand	+
Start	389	End	3097
Name	OJ000251_28.0218.C5.o1.gs	Method	GENSCAN
Start	389	End	3097
GI	none	Score	.92
Exons	389..549, 2541..2651, 2675..3097		

Seq. No.	33674	Seq. ID	OJ000251_28.0218.C5
Gene No.	69798	Strand	+
Start	8747	End	12124
Name	OJ000251_28.0218.C5.o3.gs	Method	GENSCAN
Start	8747	End	12124
GI	none	Score	.82
Exons	8747..9081, 10037..10167, 10439..10489, 10780..10925, 11166..11276, 11888..12124		

Seq. No.	33674	Seq. ID	OJ000251_28.0218.C5
Gene No.	69798	Strand	+
Start	8747	End	12124
Name	OJ000251_28.0218.C5.o1.gp	Method	AAT/GAP
Start	11140	End	11426
GI	none	Score	223
Exons	11140..11175, 11277..11426		

Seq. No.	33674	Seq. ID	OJ000251_28.0218.C5
Gene No.	69799	Strand	-
Start	3831	End	6771
Name	OJ000251_28.0218.C5.o2.gs	Method	GENSCAN
Start	3831	End	6771
GI	none	Score	.61
Exons	3831..3959, 4569..4640, 4700..4882, 4932..4954, 5636..5709, 6366..6540, 6693..6771		

Seq. No.	33674	Seq. ID	OJ000251_28.0218.C5
Gene No.	69800	Strand	-
Start	11290	End	11426
Name	OJ000251_28.0218.C5.o2.gp	Method	AAT/GAP
Start	11290	End	11426
GI	none	Score	213
Exons	11290..11426		

Seq. No.	33674	Seq. ID	OJ000251_28.0218.C5
Gene No.	69801	Strand	-
Start	13079	End	14058
Name	OJ000251_28.0218.C5.o4.gs	Method	GENSCAN

Start	13079	End	14058
GI	none	Score	.78
Exons	13079..13137, 13790..13899, 14000..14058		

Seq. No.	33674	Seq. ID	OJ000251_28.0218.C5
Gene No.	69802	Strand	-
Start	18548	End	19097
Name	OJ000251_28.0218.C5.o1.tm	Method	TBLASTX:Maize
Start	7288	End	8245
GI	none	Score	66
Exons	7288..7434, 7332..7451, 7332..7457, 7334..7459, 7335..7442, 7335..7433, 7337..7420, 7343..7465, 7346..7450, 7347..7424, 7348..7461, 7351..7458, 7351..7434, 7461..7586, 7472..7582, 7474..7596, 7479..7580, 7479..7583, 7480..7596, 7483..7590, 7489..7575, 7502..7579, 7629..7778, 7634..7738, 7635..7751, 7638..7787, 7639..7776, 7639..7782, 7643..7744, 7645..7737, 7722..7796, 7725..7817, 7725..7817, 7779..7871, 7779..7871, 7806..7925, 7806..7883, 7833..7925, 7852..7938, 7852..7962, 7895..7933, 7926..8036, 7974..8072, 8005..8052, 8060..8128, 8087..8128, 8126..8245		

Seq. No.	33674	Seq. ID	OJ000251_28.0218.C5
Gene No.	69802	Strand	-
Start	18548	End	19097
Name	OJ000251_28.0218.C5.o2.np	Method	AAT/NAP
Start	18548	End	19097
GI	6721559	Score	357
Exons	18548..18676, 18706..19097		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	33675	Seq. ID	OJ000251_28.0218.C6
Gene No.	69803	Strand	+
Start	218	End	3579
Name	OJ000251_28.0218.C6.o1.gs	Method	GENSCAN
Start	218	End	3579
GI	none	Score	.66
Exons	218..300, 2720..2888, 2900..3115, 3211..3579		

Seq. No.	33675	Seq. ID	OJ000251_28.0218.C6
Gene No.	69804	Strand	+
Start	4724	End	10205
Name	OJ000251_28.0218.C6.o1.gp	Method	AAT/GAP
Start	4697	End	5778
GI	uC-osrocyp015e10b1	Score	859
Exons	4697..4993, 5579..5778		
GI Descrip.	'2498731/sp|Q39172|P1_ARATH 3.0e-35 PROBABLE NADP-DEPENDENT OXIDOREDUCTASE P1 >gi_1362013_pir__S57611 zeta-crystallin homolog - Arabidopsis thaliana >gi_886428_emb_CAA89838_ (Z49768) zeta-crystallin homologue [Arabidopsis thaliana]'		

Seq. No.	33675	Seq. ID	OJ000251_28.0218.C6
Gene No.	69804	Strand	+
Start	4724	End	10205
Name	OJ000251_28.0218.C6.o2.gs	Method	GENSCAN
Start	4724	End	10205

GI	none	Score	.51
Exons	4724..4993, 5579..5756, 5902..6459, 6907..7030, 7473..7655, 8240..8396, 8402..8465, 8977..9131, 10149..10205		

Seq. No.	33675	Seq. ID	OJ000251_28.0218.C6
Gene No.	69805	Strand	+
Start	12629	End	15011
Name	OJ000251_28.0218.C6.o4.gp	Method	AAT/GAP
Start	12404	End	15011
GI	530334	Score	2800
Exons	12404..12464, 12597..13121, 13746..13981, 14236..14376, 14535..15011		
GI Descrip.	629792/pir||S47434 0.0e+00 cysteine proteinase - rice >gi_530335_emb_CAA56844_ (X80876) cysteine protease [Oryza sativa] >gi_5761322_dbj_BAA83472.1_ (AB004648) cysteine endopeptidase [Oryza sativa]		

Seq. No.	33675	Seq. ID	OJ000251_28.0218.C6
Gene No.	69805	Strand	+
Start	12629	End	15011
Name	OJ000251_28.0218.C6.o1.np	Method	AAT/NAP
Start	12629	End	14798
GI	629792	Score	1903
Exons	12629..13121, 13746..13981, 14236..14376, 14535..14798		
GI Descrip.	cysteine proteinase - rice gi|530335|emb|CAA56844| (X80876) cysteine protease [Oryza sativa] gi|5761322|dbj|BAA83472.1| (AB004648) cysteine endopeptidase [Oryza sativa]		

Seq. No.	33675	Seq. ID	OJ000251_28.0218.C6
Gene No.	69805	Strand	+
Start	12629	End	15011
Name	OJ000251_28.0218.C6.o3.gs	Method	GENSCAN
Start	12629	End	14801
GI	none	Score	.92
Exons	12629..13121, 13746..13981, 14236..14376, 14535..14801		

Seq. No.	33675	Seq. ID	OJ000251_28.0218.C6
Gene No.	69806	Strand	-
Start	6045	End	6669
Name	OJ000251_28.0218.C6.o2.gp	Method	AAT/GAP
Start	6045	End	6669
GI	50862_1.R1084	Score	1174
Exons	6045..6669		
GI Descrip.	'2498731/sp|Q39172|P1_ARATH 2.0e-49 PROBABLE NADP-DEPENDENT OXIDOREDUCTASE P1 >gi_1362013_pir__S57611 zeta-crystallin homolog - Arabidopsis thaliana >gi_886428_emb_CAA89838_ (Z49768) zeta-crystallin homologue [Arabidopsis thaliana]'		

Seq. No.	33675	Seq. ID	OJ000251_28.0218.C6
Gene No.	69807	Strand	-
Start	7526	End	7814
Name	OJ000251_28.0218.C6.o1.tc	Method	TBLASTX:Cress
Start	4751	End	6514
GI	none	Score	55
Exons	4751..4888, 4883..4963, 5591..5707, 5593..5718, 5707..5757, 5708..5758, 5880..6113, 5882..6091, 5890..6120, 6019..6105, 6102..6488, 6116..6514		

Seq. No.	33675	Seq. ID	OJ000251_28.0218.C6
Gene No.	69807	Strand	-
Start	7526	End	7814
Name	OJ000251_28.0218.C6.o1.tm	Method	TBLASTX:Maize
Start	4877	End	6488
GI	none	Score	80
Exons	4877..4945, 5582..5701, 5593..5700, 5726..5758, 5880..6107, 5882..6088, 5904..6122, 5914..6180, 6102..6275, 6116..6274, 6122..6280, 6267..6488		

Seq. No.	33675	Seq. ID	OJ000251_28.0218.C6
Gene No.	69807	Strand	-
Start	7526	End	7814
Name	OJ000251_28.0218.C6.o1.ts	Method	TBLASTX:Soybean
Start	5582	End	6514
GI	none	Score	196
Exons	5582..5758, 5593..5757, 5649..5765, 5880..6107, 5882..6076, 6102..6488, 6140..6514		

Seq. No.	33675	Seq. ID	OJ000251_28.0218.C6
Gene No.	69807	Strand	-
Start	7526	End	7814
Name	OJ000251_28.0218.C6.o3.gp	Method	AAT/GAP
Start	7526	End	7814
GI	uC-osf1cyp162a08b1	Score	501
Exons	7526..7814		
GI Descrip.	'629792/pir||S47434 0.0e+00 cysteine proteinase - rice >gi_530335_emb_CAA56844_ (X80876) cysteine protease [Oryza sativa] >gi_5761322_dbj_BAA83472.1_ (AB004648) cysteine endopeptidase [Oryza sativa]'		

Seq. No.	33675	Seq. ID	OJ000251_28.0218.C6
Gene No.	69808	Strand	
Start	12701	End	14807
Name	OJ000251_28.0218.C6.o3.tc	Method	TBLASTX:Cress
Start	12701	End	13108
GI	none	Score	83
Exons	12701..12787, 12824..12889, 12834..12890, 12896..12964, 12904..12948, 13049..13108, 13051..13104		

Seq. No.	33675	Seq. ID	OJ000251_28.0218.C6
Gene No.	69808	Strand	
Start	12701	End	14807
Name	OJ000251_28.0218.C6.o2.ts	Method	TBLASTX:Soybean
Start	12707	End	14804
GI	none	Score	94
Exons	12707..12787, 12712..12786, 12821..12886, 12883..12960, 12896..12964, 13051..13125, 13052..13123, 13744..13992, 13745..13981, 14233..14376, 14247..14375, 14522..14680, 14534..14680, 14535..14693, 14694..14804, 14705..14740		

Seq. No.	33675	Seq. ID	OJ000251_28.0218.C6
Gene No.	69808	Strand	
Start	12701	End	14807
Name	OJ000251_28.0218.C6.o2.tm	Method	TBLASTX:Maize
Start	12723	End	14770

GI	none	Score	64
Exons	12723..12782, 12744..12875, 12759..12827, 12791..12883, 12890..12961, 13043..13123, 13744..13968, 13745..13972, 13841..13972, 14247..14306, 14251..14382, 14257..14370, 14534..14599, 14535..14597, 14579..14683, 14600..14683, 14601..14702, 14700..14756, 14753..14770		

Seq. No.	33675	Seq. ID	OJ000251_28.0218.C6
Gene No.	69808	Strand	
Start	12701	End	14807
Name	OJ000251_28.0218.C6.o1.tw	Method	TBLASTX:Wheat
Start	13043	End	13942
GI	none	Score	94
Exons	13043..13123, 13744..13806, 13745..13942, 13841..13942		

Seq. No.	33675	Seq. ID	OJ000251_28.0218.C6
Gene No.	69808	Strand	
Start	12701	End	14807
Name	OJ000251_28.0218.C6.o2.tc	Method	TBLASTX:Cress
Start	13744	End	14807
GI	none	Score	324
Exons	13744..13986, 13745..13981, 14247..14300, 14251..14376, 14251..14370, 14316..14381, 14355..14375, 14534..14596, 14535..14606, 14609..14677, 14610..14690, 14697..14807, 14700..14795		

Seq. No.	33676	Seq. ID	OJ000251_28.0218.C8
Gene No.	69809	Strand	-
Start	669	End	797
Name	OJ000251_28.0218.C8.o1.np	Method	AAT/NAP
Start	669	End	797
GI	6094106	Score	107
Exons	669..797		
GI Descrip.	MITOCHONDRIAL 60S RIBOSOMAL PROTEIN L2		

Seq. No.	33677	Seq. ID	OJ000251_28.0218.C9
Gene No.	69810	Strand	-
Start	291	End	760
Name	OJ000251_28.0218.C9.o1.np	Method	AAT/NAP
Start	188	End	760
GI	5042454	Score	149
Exons	188..295, 626..760		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	33677	Seq. ID	OJ000251_28.0218.C9
Gene No.	69810	Strand	-
Start	291	End	760
Name	OJ000251_28.0218.C9.o1.gs	Method	GENSCAN
Start	291	End	707
GI	none	Score	.64
Exons	291..313, 626..707		

Seq. No.	33678	Seq. ID	OJ000251_24.0218.C1
Gene No.	69811	Strand	+
Start	7602	End	10018
Name	OJ000251_24.0218.C1.o2.gs	Method	GENSCAN
Start	7602	End	10018

GI	none	Score	.98
Exons	7602..7710, 9597..10018		

Seq. No.	33678	Seq. ID	OJ000251_24.0218.C1
Gene No.	69812	Strand	+
Start	10174	End	13546
Name	OJ000251_24.0218.C1.o3.gs	Method	GENSCAN
Start	10174	End	13511
GI	none	Score	.52
Exons	10174..10408, 10556..10606, 10759..10926, 12819..13202, 13354..13511		

Seq. No.	33678	Seq. ID	OJ000251_24.0218.C1
Gene No.	69812	Strand	+
Start	10174	End	13546
Name	OJ000251_24.0218.C1.o1.np	Method	AAT/NAP
Start	10210	End	13546
GI	6642638	Score	604
Exons	10210..10408, 12819..13348, 13391..13546		
GI Descrip.	(AC012395) GTP cyclohydrolase I [Arabidopsis thaliana]		

Seq. No.	33678	Seq. ID	OJ000251_24.0218.C1
Gene No.	69813	Strand	-
Start	59	End	6632
Name	OJ000251_24.0218.C1.o1.gp	Method	AAT/GAP
Start	59	End	503
GI	3763746	Score	796
Exons	59..503		

Seq. No.	33678	Seq. ID	OJ000251_24.0218.C1
Gene No.	69813	Strand	-
Start	59	End	6632
Name	OJ000251_24.0218.C1.o1.gs	Method	GENSCAN
Start	286	End	6632
GI	none	Score	.62
Exons	286..628, 1143..1176, 1714..1783, 1860..1913, 2011..2133, 2284..2365, 3253..3377, 3467..3490, 4191..4360, 5046..5107, 5870..6150, 6319..6419, 6543..6632		

Seq. No.	33678	Seq. ID	OJ000251_24.0218.C1
Gene No.	69813	Strand	-
Start	59	End	6632
Name	OJ000251_24.0218.C1.o2.tm	Method	TBLASTX:Maize
Start	548	End	3734
GI	none	Score	87
Exons	548..601, 548..622, 549..623, 1711..1785, 1721..1786, 1860..1913, 1865..1915, 2008..2136, 2010..2147, 2011..2142, 2284..2406, 2299..2367, 3251..3379, 3252..3380, 3464..3493, 3465..3542, 3660..3734, 3670..3720, 3671..3727		

Seq. No.	33678	Seq. ID	OJ000251_24.0218.C1
Gene No.	69813	Strand	-
Start	59	End	6632
Name	OJ000251_24.0218.C1.o1.tc	Method	TBLASTX:Cress
Start	1711	End	2142
GI	none	Score	69
Exons	1711..1782, 1862..1915, 1863..1913, 2003..2134, 2010..2135,		

2011..2142

Seq. No.	33678	Seq. ID	OJ000251_24.0218.C1
Gene No.	69813	Strand	-
Start	59	End	6632
Name	OJ000251_24.0218.C1.o2.gp	Method	AAT/GAP
Start	1860	End	3299
GI	LIB3432-007-P1-K1-G4	Score	476
Exons	1860..1913, 2011..2133, 2284..2365, 3253..3299		
GI Descrip.	'629838/pir||S43326 2.0e-09 tubulin beta-4 chain - maize >gi_416145 (L10635) beta-4 tubulin [Zea mays]'		

Seq. No.	33678	Seq. ID	OJ000251_24.0218.C1
Gene No.	69813	Strand	-
Start	59	End	6632
Name	OJ000251_24.0218.C1.o1.tw	Method	TBLASTX:Wheat
Start	1879	End	3314
GI	none	Score	48
Exons	1879..1914, 1880..1912, 1884..1913, 2013..2132, 2020..2142, 2021..2131, 2022..2135, 2285..2365, 2286..2366, 2299..2367, 3249..3302, 3252..3314		

Seq. No.	33678	Seq. ID	OJ000251_24.0218.C1
Gene No.	69813	Strand	-
Start	59	End	6632
Name	OJ000251_24.0218.C1.o2.tc	Method	TBLASTX:Cress
Start	3251	End	4277
GI	none	Score	136
Exons	3251..3379, 3252..3380, 3271..3393, 3467..3490, 3468..3497, 3682..3717, 3787..3852, 3811..3930, 3812..3925, 4010..4054, 4010..4060, 4190..4276, 4191..4277		

Seq. No.	33678	Seq. ID	OJ000251_24.0218.C1
Gene No.	69813	Strand	-
Start	59	End	6632
Name	OJ000251_24.0218.C1.o3.gp	Method	AAT/GAP
Start	3678	End	4271
GI	3763745	Score	461
Exons	3678..3716, 3810..3927, 4010..4061, 4191..4271		

Seq. No.	33678	Seq. ID	OJ000251_24.0218.C1
Gene No.	69813	Strand	-
Start	59	End	6632
Name	OJ000251_24.0218.C1.o3.tm	Method	TBLASTX:Maize
Start	3811	End	4728
GI	none	Score	146
Exons	3811..3930, 3821..3928, 4010..4060, 4010..4060, 4020..4061, 4190..4297, 4191..4298, 4416..4466, 4672..4728		

Seq. No.	33678	Seq. ID	OJ000251_24.0218.C1
Gene No.	69813	Strand	-
Start	59	End	6632
Name	OJ000251_24.0218.C1.o2.ts	Method	TBLASTX:Soybean
Start	4678	End	6005
GI	none	Score	75
Exons	4678..4797, 4727..4798, 4901..4984, 4914..4982, 5046..5105, 5047..5103, 5871..5954, 5875..5955, 5961..6005, 5965..5997		

Seq. No.	33678	Seq. ID	OJ000251_24.0218.C1
Gene No.	69813	Strand	-
Start	59	End	6632
Name	OJ000251_24.0218.C1.o5.tm	Method	TBLASTX:Maize
Start	4911	End	6020
GI	none	Score	113
Exons	4911..4982, 4913..4984, 4915..4983, 4979..5104, 5046..5105, 5047..5106, 5860..5988, 5866..6000, 5868..6020, 5868..6005, 5972..6007		

Seq. No.	33678	Seq. ID	OJ000251_24.0218.C1
Gene No.	69814	Strand	
Start	10005	End	13511
Name	OJ000251_24.0218.C1.o2.tw	Method	TBLASTX:Wheat
Start	10005	End	10380
GI	none	Score	56
Exons	10005..10058, 10007..10060, 10007..10060, 10162..10206, 10170..10199, 10174..10215, 10252..10380, 10318..10380		

Seq. No.	33678	Seq. ID	OJ000251_24.0218.C1
Gene No.	69814	Strand	
Start	10005	End	13511
Name	OJ000251_24.0218.C1.o4.tm	Method	TBLASTX:Maize
Start	10258	End	13511
GI	none	Score	65
Exons	10258..10377, 13260..13400, 13261..13416, 13262..13417, 13440..13511, 13444..13506		

Seq. No.	33678	Seq. ID	OJ000251_24.0218.C1
Gene No.	69814	Strand	
Start	10005	End	13511
Name	OJ000251_24.0218.C1.o1.ts	Method	TBLASTX:Soybean
Start	10270	End	13510
GI	none	Score	139
Exons	10270..10419, 12811..12972, 12818..13177, 12933..13052, 12947..13174, 13033..13176, 13199..13315, 13232..13312, 13391..13510, 13444..13506		

Seq. No.	33678	Seq. ID	OJ000251_24.0218.C1
Gene No.	69814	Strand	
Start	10005	End	13511
Name	OJ000251_24.0218.C1.o1.tm	Method	TBLASTX:Maize
Start	12868	End	13259
GI	none	Score	635
Exons	12868..13251, 12869..13252, 12924..13259		

Seq. No.	33679	Seq. ID	OJ000251_24.0218.C2
Gene No.	69815	Strand	+
Start	2244	End	2912
Name	OJ000251_24.0218.C2.o1.gs	Method	GENSCAN
Start	2244	End	2760
GI	none	Score	.98
Exons	2244..2606, 2647..2760		

Seq. No.	33679	Seq. ID	OJ000251_24.0218.C2
Gene No.	69815	Strand	+

Start	2244	End	2912
Name	OJ000251_24.0218.C2.o1.np	Method	AAT/NAP
Start	2244	End	2912
GI	120229	Score	450
Exons	2244..2630, 2861..2912		
GI Descrip.	NARINGENIN,2-OXOGLUTARATE 3-DIOXYGENASE (FLAVONONE-3-HYDROXYLASE) (F3H) (FHT) gi|100600|pir||S14647 naringenin 3-dioxygenase (EC 1.14.11.9) - barley gi|18976|emb|CAA41146| (X58138) flavanone 3-dioxygenase [Hordeum vulgare]		

Seq. No.	33679	Seq. ID	OJ000251_24.0218.C2
Gene No.	69816	Strand	-
Start	197	End	392
Name	OJ000251_24.0218.C2.o1.gp	Method	AAT/GAP
Start	197	End	392
GI	none	Score	339
Exons	197..392		

Seq. No.	33679	Seq. ID	OJ000251_24.0218.C2
Gene No.	69817	Strand	
Start	2268	End	2608
Name	OJ000251_24.0218.C2.o1.tc	Method	TBLASTX:Cress
Start	2268	End	2608
GI	none	Score	138
Exons	2268..2396, 2306..2377, 2316..2393, 2409..2606, 2436..2606, 2543..2608		

Seq. No.	33679	Seq. ID	OJ000251_24.0218.C2
Gene No.	69817	Strand	
Start	2268	End	2608
Name	OJ000251_24.0218.C2.o1.tm	Method	TBLASTX:Maize
Start	2277	End	2516
GI	none	Score	259
Exons	2277..2516, 2285..2455, 2313..2516		

Seq. No.	33679	Seq. ID	OJ000251_24.0218.C2
Gene No.	69817	Strand	
Start	2268	End	2608
Name	OJ000251_24.0218.C2.o1.ts	Method	TBLASTX:Soybean
Start	2280	End	2606
GI	none	Score	148
Exons	2280..2396, 2309..2377, 2436..2606, 2436..2606		

Seq. No.	33680	Seq. ID	OJ000251_24.0218.C3
Gene No.	69818	Strand	+
Start	477	End	1357
Name	OJ000251_24.0218.C3.o1.gs	Method	GENSCAN
Start	477	End	1357
GI	none	Score	.69
Exons	477..938, 983..1357		

Seq. No.	33680	Seq. ID	OJ000251_24.0218.C3
Gene No.	69818	Strand	+
Start	477	End	1357
Name	OJ000251_24.0218.C3.o1.np	Method	AAT/NAP
Start	491	End	1321

GI	467996	Score	991
Exons	491..938, 1016..1321		
GI Descrip.	(U04434) flavanone 3-beta-hydroxylase [Zea mays]		

Seq. No.	33680	Seq. ID	OJ000251_24.0218.C3
Gene No.	69819	Strand	+
Start	5639	End	6114
Name	OJ000251_24.0218.C3.o2.np	Method	AAT/NAP
Start	5639	End	6114
GI	3096944	Score	186
Exons	5639..6114		
GI Descrip.	(AL023094) putative protein [Arabidopsis thaliana]		

Seq. No.	33680	Seq. ID	OJ000251_24.0218.C3
Gene No.	69820	Strand	-
Start	8723	End	9094
Name	OJ000251_24.0218.C3.o1.ts	Method	TBLASTX:Soybean
Start	485	End	1207
GI	none	Score	655
Exons	485..937, 486..938, 1007..1084, 1012..1107, 1016..1207, 1018..1125		

Seq. No.	33680	Seq. ID	OJ000251_24.0218.C3
Gene No.	69820	Strand	-
Start	8723	End	9094
Name	OJ000251_24.0218.C3.o1.tc	Method	TBLASTX:Cress
Start	486	End	1216
GI	none	Score	664
Exons	486..938, 498..563, 509..931, 615..938, 1007..1078, 1016..1207, 1018..1182, 1151..1216		

Seq. No.	33680	Seq. ID	OJ000251_24.0218.C3
Gene No.	69820	Strand	-
Start	8723	End	9094
Name	OJ000251_24.0218.C3.o1.tm	Method	TBLASTX:Maize
Start	581	End	917
GI	none	Score	66
Exons	581..691, 590..916, 591..917		

Seq. No.	33680	Seq. ID	OJ000251_24.0218.C3
Gene No.	69820	Strand	-
Start	8723	End	9094
Name	OJ000251_24.0218.C3.o1.tw	Method	TBLASTX:Wheat
Start	606	End	938
GI	none	Score	424
Exons	606..938, 608..931		

Seq. No.	33680	Seq. ID	OJ000251_24.0218.C3
Gene No.	69820	Strand	-
Start	8723	End	9094
Name	OJ000251_24.0218.C3.o3.gs	Method	GENSCAN
Start	8723	End	9094
GI	none	Score	.81
Exons	8723..8912, 9018..9094		

Seq. No.	33681	Seq. ID	OJ000251_24.0218.C4
Gene No.	69821	Strand	+

Start	46	End	262
Name	OJ000251_24.0218.C4.o1.gs	Method	GENSCAN
Start	46	End	262
GI	none	Score	.89
Exons	46..262		

Seq. No.	33681	Seq. ID	OJ000251_24.0218.C4
Gene No.	69822	Strand	+
Start	5164	End	8303
Name	OJ000251_24.0218.C4.o3.gs	Method	GENSCAN
Start	5164	End	8303
GI	none	Score	.44
Exons	5164..5212, 6035..6241, 6268..6399, 7438..7531, 8039..8303		

Seq. No.	33681	Seq. ID	OJ000251_24.0218.C4
Gene No.	69823	Strand	+
Start	10941	End	16632
Name	OJ000251_24.0218.C4.o1.np	Method	AAT/NAP
Start	10941	End	11366
GI	3096944	Score	218
Exons	10941..11366		
GI Descrip.	(AL023094) putative protein [Arabidopsis thaliana]		

Seq. No.	33681	Seq. ID	OJ000251_24.0218.C4
Gene No.	69823	Strand	+
Start	10941	End	16632
Name	OJ000251_24.0218.C4.o4.gs	Method	GENSCAN
Start	10941	End	16632
GI	none	Score	.7
Exons	10941..11368, 12337..12428, 13020..13146, 13434..13566, 14803..14906, 14990..15196, 15283..15390, 16401..16632		

Seq. No.	33681	Seq. ID	OJ000251_24.0218.C4
Gene No.	69823	Strand	+
Start	10941	End	16632
Name	OJ000251_24.0218.C4.o2.np	Method	AAT/NAP
Start	14995	End	16626
GI	6321942	Score	415
Exons	14995..15131, 15283..15390, 16037..16111, 16401..16626		
GI Descrip.	ribosomal protein (weak similarity); Imp3p gi|418596|sp|P32899|IMP3_YEAST U3 SMALL NUCLEOLAR RIBONUCLEOPROTEIN PROTEIN IMP3 gi|485540|pir||S33911 hypothetical protein YHR148w - yeast (Saccharomyces cerevisiae) gi|4014|emb|CAA49237| (X69480) uORF1 [Saccharomyces cerevisiae] gi|500654 (U10397) Yhr148wp [Saccharomyces cerevisiae]		

Seq. No.	33681	Seq. ID	OJ000251_24.0218.C4
Gene No.	69824	Strand	-
Start	813	End	1617
Name	OJ000251_24.0218.C4.o2.gs	Method	GENSCAN
Start	813	End	1617
GI	none	Score	.94
Exons	813..872, 1495..1617		

Seq. No.	33681	Seq. ID	OJ000251_24.0218.C4
Gene No.	69825	Strand	-
Start	16891	End	18594

Name	OJ000251_24.0218.C4.o2.ts	Method	TBLASTX:Soybean
Start	10952	End	11287
GI	none	Score	135
Exons	10952..10990, 11060..11161, 11061..11162, 11180..11287, 11181..11285		

Seq. No.	33681	Seq. ID	OJ000251_24.0218.C4
Gene No.	69825	Strand	-
Start	16891	End	18594
Name	OJ000251_24.0218.C4.o2.tm	Method	TBLASTX:Maize
Start	14991	End	15394
GI	none	Score	74
Exons	14991..15065, 14991..15095, 14995..15135, 15281..15391, 15282..15392, 15283..15393, 15284..15394		

Seq. No.	33681	Seq. ID	OJ000251_24.0218.C4
Gene No.	69825	Strand	-
Start	16891	End	18594
Name	OJ000251_24.0218.C4.o1.ts	Method	TBLASTX:Soybean
Start	14998	End	16626
GI	none	Score	173
Exons	14998..15135, 15281..15391, 15283..15390, 16038..16088, 16384..16626, 16395..16625		

Seq. No.	33681	Seq. ID	OJ000251_24.0218.C4
Gene No.	69825	Strand	-
Start	16891	End	18594
Name	OJ000251_24.0218.C4.o1.tw	Method	TBLASTX:Wheat
Start	15287	End	16651
GI	none	Score	155
Exons	15287..15391, 15289..15393, 15295..15393, 15296..15403, 16036..16107, 16038..16088, 16038..16112, 16389..16625, 16393..16638, 16398..16637, 16400..16651		

Seq. No.	33681	Seq. ID	OJ000251_24.0218.C4
Gene No.	69825	Strand	-
Start	16891	End	18594
Name	OJ000251_24.0218.C4.o1.tm	Method	TBLASTX:Maize
Start	16053	End	16662
GI	none	Score	82
Exons	16053..16112, 16054..16113, 16389..16595, 16393..16662, 16395..16649, 16397..16654		

Seq. No.	33681	Seq. ID	OJ000251_24.0218.C4
Gene No.	69825	Strand	-
Start	16891	End	18594
Name	OJ000251_24.0218.C4.o5.gs	Method	GENSCAN
Start	16891	End	18544
GI	none	Score	.47
Exons	16891..17087, 17444..17577, 18486..18544		

Seq. No.	33681	Seq. ID	OJ000251_24.0218.C4
Gene No.	69825	Strand	-
Start	16891	End	18594
Name	OJ000251_24.0218.C4.o1.gp	Method	AAT/GAP
Start	17183	End	18594
GI	4969101	Score	891

Exons	17183..17577, 18486..18594		
Seq. No.	33681	Seq. ID	OJ000251_24.0218.C4
Gene No.	69825	Strand	-
Start	16891	End	18594
Name	OJ000251_24.0218.C4.o3.np	Method	AAT/NAP
Start	17221	End	18594
GI	6358777	Score	67
Exons	17221..17247, 18483..18594		
GI Descrip.	(AC011665) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69826	Strand	+
Start	489	End	581
Name	OJ000251_24.0218.C5.o1.gp	Method	AAT/GAP
Start	489	End	581
GI	5867_1.R1084	Score	154
Exons	489..581		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		
Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69827	Strand	+
Start	511	End	583
Name	OJ000251_24.0218.C5.o4.gp	Method	AAT/GAP
Start	511	End	583
GI	LIB3431-004-P1-K1-G12	Score	119
Exons	511..583		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69828	Strand	+
Start	584	End	674
Name	OJ000251_24.0218.C5.o2.gp	Method	AAT/GAP
Start	584	End	674
GI	5867_1.R1084	Score	152
Exons	584..674		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		
Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69829	Strand	+
Start	6403	End	16982
Name	OJ000251_24.0218.C5.o2.np	Method	AAT/NAP
Start	6391	End	8576
GI	4758064	Score	164

Exons	6391..6544, 6624..6686, 6890..7071, 8561..8576		
GI Descrip.	33 kDa transcriptional co-activator gi|2736290 (AF031383) hMed7 [Homo sapiens] gi|4220890 (AF104251) transcriptional co-activator CRSP33 [Homo sapiens]		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69829	Strand	+
Start	6403	End	16982
Name	OJ000251_24.0218.C5.o2.gs	Method	GENSCAN
Start	6403	End	16982
GI	none	Score	.77
Exons	6403..6540, 6623..6692, 6890..6990, 7142..7215, 9196..9240, 9296..9334, 9818..10319, 10907..10949, 11584..11841, 12564..12934, 13010..13159, 13274..13468, 13801..13875, 13969..14035, 14106..14381, 14458..15247, 15340..15396, 15949..16034, 16417..16427, 16857..16982		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69829	Strand	+
Start	6403	End	16982
Name	OJ000251_24.0218.C5.o7.gp	Method	AAT/GAP
Start	14237	End	15007
GI	none	Score	1311
Exons	14237..14381, 14458..15007		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69829	Strand	+
Start	6403	End	16982
Name	OJ000251_24.0218.C5.o8.gp	Method	AAT/GAP
Start	15195	End	15722
GI	none	Score	840
Exons	15195..15247, 15340..15722		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69829	Strand	+
Start	6403	End	16982
Name	OJ000251_24.0218.C5.o9.gp	Method	AAT/GAP
Start	15777	End	16367
GI	2798312	Score	1082
Exons	15777..16367		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69830	Strand	+
Start	22905	End	23259
Name	OJ000251_24.0218.C5.o4.gs	Method	GENSCAN
Start	22905	End	23259
GI	none	Score	.81
Exons	22905..22916, 23116..23259		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69831	Strand	+
Start	24891	End	26036
Name	OJ000251_24.0218.C5.o5.gs	Method	GENSCAN
Start	24891	End	26036
GI	none	Score	.96
Exons	24891..24932, 25845..26036		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69832	Strand	-
Start	1460	End	5840
Name	OJ000251_24.0218.C5.o5.gp	Method	AAT/GAP
Start	1162	End	1704
GI	27605_1.R1084	Score	836
Exons	1162..1531, 1627..1704		
GI Descrip.	'2351374 6.0e-17 (U54560) putative 26S proteasome subunit athMOV34 [Arabidopsis thaliana]'		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69832	Strand	-
Start	1460	End	5840
Name	OJ000251_24.0218.C5.o1.gs	Method	GENSCAN
Start	1460	End	5840
GI	none	Score	.57
Exons	1460..1531, 1627..1712, 1813..1870, 2450..2572, 2659..2717, 2928..3003, 3092..3188, 3941..4037, 4106..4223, 4429..4538, 4568..5126, 5596..5725, 5749..5840		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69832	Strand	-
Start	1460	End	5840
Name	OJ000251_24.0218.C5.o1.np	Method	AAT/NAP
Start	1469	End	4615
GI	6919944	Score	1186
Exons	1469..1531, 1627..1712, 1813..1870, 2450..2572, 2659..2717, 2928..3003, 3092..3188, 3941..4022, 4106..4198, 4429..4615		
GI Descrip.	PROBABLE 26S PROTEASOME REGULATORY SUBUNIT S12 (MOV34 PROTEIN) gi|2351374 (U54560) putative 26S proteasome subunit athMOV34 [Arabidopsis thaliana]		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69832	Strand	-
Start	1460	End	5840
Name	OJ000251_24.0218.C5.o6.gp	Method	AAT/GAP
Start	3982	End	4761
GI	61115_1.R1084	Score	834
Exons	3982..4022, 4106..4198, 4429..4761		
GI Descrip.	'2351374 2.0e-38 (U54560) putative 26S proteasome subunit athMOV34 [Arabidopsis thaliana]'		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69833	Strand	-
Start	16821	End	17271
Name	OJ000251_24.0218.C5.o10.gp	Method	AAT/GAP
Start	16821	End	17271
GI	none	Score	890
Exons	16821..17271		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69834	Strand	-
Start	17849	End	21870
Name	OJ000251_24.0218.C5.o11.gp	Method	AAT/GAP
Start	17821	End	18629
GI	53279_1.R1084	Score	986
Exons	17821..18234, 18322..18378, 18581..18629		

GI Descrip.	'2497953/sp|Q39054|CNX1_ARATH 2.0e-41 MOLYBDOPTERIN BIOSYNTHESIS CNX1 PROTEIN (MOLYBDENUM COFACTOR BIOSYNTHESIS ENZYME CNX1) >gi_1263314 (L47323) molybdenum cofactor biosynthesis enzyme [Arabidopsis thaliana] >gi_4469123_emb_CAB38312_ (AJ236870) molybdenum cofactor biosynthesis enzyme [Arabidopsis thaliana]'		
Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69834	Strand	-
Start	17849	End	21870
Name	OJ000251_24.0218.C5.o3.gs	Method	GENSCAN
Start	17849	End	21861
GI	none	Score	.93
Exons	17849..18081, 18144..18234, 18581..18687, 18783..18940, 19355..19678, 19759..19863, 19965..20152, 20355..20582, 20666..20712, 20750..20933, 21323..21417, 21489..21615, 21697..21861		
Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69834	Strand	-
Start	17849	End	21870
Name	OJ000251_24.0218.C5.o5.np	Method	AAT/NAP
Start	18028	End	21794
GI	2497953	Score	1751
Exons	18028..18234, 18322..18378, 18581..18687, 18783..18940, 19355..19425, 19456..19678, 19759..19863, 19965..20152, 20355..20582, 20666..20749, 20832..20933, 21287..21417, 21489..21615, 21697..21794		
GI Descrip.	MOLYBDOPTERIN BIOSYNTHESIS CNX1 PROTEIN (MOLYBDENUM COFACTOR BIOSYNTHESIS ENZYME CNX1) gi|1263314 (L47323) molybdenum cofactor biosynthesis enzyme [Arabidopsis thaliana] gi|4469123|emb|CAB38312| (AJ236870) molybdenum cofactor biosynthesis enzyme [Arabidopsis thaliana]		
Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69834	Strand	-
Start	17849	End	21870
Name	OJ000251_24.0218.C5.o12.gp	Method	AAT/GAP
Start	19643	End	20051
GI	5803404	Score	404
Exons	19643..19678, 19759..19863, 19965..20051		
GI Descrip.	2497953/sp|Q39054|CNX1_ARATH 4.0e-32 MOLYBDOPTERIN BIOSYNTHESIS CNX1 PROTEIN (MOLYBDENUM COFACTOR BIOSYNTHESIS ENZYME CNX1) >gi_1263314 (L47323) molybdenum cofactor biosynthesis enzyme [Arabidopsis thaliana] >gi_4469123_emb_CAB38312_ (AJ236870) molybdenum cofactor biosynthesis enzyme [Arabidopsis thaliana]		
Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69834	Strand	-
Start	17849	End	21870
Name	OJ000251_24.0218.C5.o13.gp	Method	AAT/GAP
Start	19744	End	20101
GI	5803404	Score	457
Exons	19744..19863, 19965..20101		
GI Descrip.	2497953/sp|Q39054|CNX1 ARATH 4.0e-32 MOLYBDOPTERIN BIOSYNTHESIS CNX1 PROTEIN (MOLYBDENUM COFACTOR BIOSYNTHESIS ENZYME CNX1) >gi_1263314 (L47323) molybdenum cofactor biosynthesis enzyme [Arabidopsis thaliana] >gi_4469123_emb_CAB38312_ (AJ236870)		

molybdenum cofactor biosynthesis enzyme [Arabidopsis thaliana]

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69834	Strand	-
Start	17849	End	21870
Name	OJ000251_24.0218.C5.o14.gp	Method	AAT/GAP
Start	21277	End	21870
GI	32240_1.R1084	Score	753
Exons	21277..21417, 21489..21615, 21697..21870		
GI Descrip.	'2497953/sp|Q39054|CNX1_ARATH 2.0e-38 MOLYBDOPTERIN BIOSYNTHESIS CNX1 PROTEIN (MOLYBDENUM COFACTOR BIOSYNTHESIS ENZYME CNX1) >gi_1263314 (L47323) molybdenum cofactor biosynthesis enzyme [Arabidopsis thaliana] >gi_4469123_emb_CAB38312_ (AJ236870) molybdenum cofactor biosynthesis enzyme [Arabidopsis thaliana]'		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69835	Strand	-
Start	24000	End	32392
Name	OJ000251_24.0218.C5.o4.tm	Method	TBLASTX:Maize
Start	1314	End	4591
GI	none	Score	71
Exons	1314..1352, 1315..1371, 1316..1372, 1352..1408, 1371..1418, 1371..1418, 1433..1534, 1433..1534, 1446..1562, 1452..1547, 1624..1719, 1624..1716, 1628..1732, 1655..1732, 1807..1872, 1814..1873, 1815..1886, 1815..1886, 2442..2573, 2449..2577, 2450..2545, 2654..2725, 2654..2716, 2656..2721, 2923..3006, 2927..3004, 3046..3189, 3088..3186, 3092..3190, 3093..3191, 3934..4023, 3935..4024, 4093..4197, 4098..4205, 4102..4203, 4430..4591, 4431..4589		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69835	Strand	-
Start	24000	End	32392
Name	OJ000251_24.0218.C5.o2.tc	Method	TBLASTX:Cress
Start	1469	End	4591
GI	none	Score	81
Exons	1469..1534, 1479..1529, 1624..1716, 1627..1713, 1628..1714, 1814..1873, 1818..1886, 2394..2573, 2450..2545, 2456..2575, 2654..2725, 2656..2721, 2923..3006, 2927..3004, 3092..3187, 3093..3188, 3097..3192, 3934..4023, 3936..4022, 3944..4024, 4093..4203, 4098..4205, 4102..4203, 4430..4591, 4431..4541		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69835	Strand	-
Start	24000	End	32392
Name	OJ000251_24.0218.C5.o3.ts	Method	TBLASTX:Soybean
Start	1469	End	3167
GI	none	Score	65
Exons	1469..1534, 1470..1547, 1624..1716, 1624..1716, 1803..1886, 1814..1873, 2448..2573, 2450..2575, 2450..2545, 2654..2725, 2656..2721, 2923..3006, 2927..3004, 2931..3008, 3092..3166, 3093..3167		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69835	Strand	-
Start	24000	End	32392
Name	OJ000251_24.0218.C5.o2.tw	Method	TBLASTX:Wheat

Start	1656	End	3121
GI	none	Score	73
Exons	1656..1718, 1657..1719, 1657..1716, 1813..1872, 1814..1873, 1814..1873, 2418..2573, 2450..2575, 2450..2545, 2654..2725, 2656..2721, 2923..3006, 2927..3004, 2928..3008, 3092..3121, 3092..3121		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69835	Strand	-
Start	24000	End	32392
Name	OJ000251_24.0218.C5.o4.ts	Method	TBLASTX:Soybean
Start	3970	End	4591
GI	none	Score	80
Exons	3970..4023, 3971..4024, 4098..4205, 4111..4203, 4430..4591, 4431..4541		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69835	Strand	-
Start	24000	End	32392
Name	OJ000251_24.0218.C5.o1.tw	Method	TBLASTX:Wheat
Start	3998	End	4725
GI	none	Score	50
Exons	3998..4024, 3998..4021, 4000..4023, 4090..4197, 4098..4205, 4102..4203, 4430..4591, 4431..4589, 4696..4725		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69835	Strand	-
Start	24000	End	32392
Name	OJ000251_24.0218.C5.o3.tm	Method	TBLASTX:Maize
Start	6384	End	7227
GI	none	Score	39
Exons	6384..6410, 6404..6541, 6404..6547, 6625..6690, 6626..6691, 6889..7062, 6889..7056, 6966..7064, 7134..7220, 7140..7220, 7141..7227, 7142..7225		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69835	Strand	-
Start	24000	End	32392
Name	OJ000251_24.0218.C5.o2.ts	Method	TBLASTX:Soybean
Start	6418	End	7198
GI	none	Score	67
Exons	6418..6546, 6445..6555, 6622..6684, 6623..6691, 6883..7062, 6966..7064, 7141..7197, 7142..7198		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69835	Strand	-
Start	24000	End	32392
Name	OJ000251_24.0218.C5.o5.tm	Method	TBLASTX:Maize
Start	13391	End	14365
GI	none	Score	94
Exons	13391..13468, 13783..13878, 13784..13876, 13798..13878, 13956..14021, 13957..14040, 13957..14022, 14069..14197, 14091..14201, 14107..14202, 14204..14281, 14217..14288, 14233..14301, 14321..14365		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69835	Strand	-

Start	24000	End	32392
Name	OJ000251_24.0218.C5.o6.tm	Method	TBLASTX:Maize
Start	14857	End	15042
GI	none	Score	198
Exons	14857..14892, 14862..15038, 14885..14995, 14929..15042		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69835	Strand	-
Start	24000	End	32392
Name	OJ000251_24.0218.C5.o1.tm	Method	TBLASTX:Maize
Start	18028	End	20516
GI	none	Score	281
Exons	18028..18063, 18043..18234, 18044..18235, 18311..18376, 18319..18384, 18322..18381, 18576..18689, 18578..18688, 18580..18738, 18764..18940, 18767..18943, 18768..18941, 18769..18942, 19356..19475, 19357..19476, 19357..19476, 19466..19525, 19486..19521, 19528..19698, 19529..19702, 19537..19728, 19545..19700, 19758..19865, 19759..19866, 19759..19866, 19761..19880, 19964..20155, 19965..20153, 19973..20155, 20222..20257, 20343..20516, 20355..20513, 20356..20514		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69835	Strand	-
Start	24000	End	32392
Name	OJ000251_24.0218.C5.o1.tc	Method	TBLASTX:Cress
Start	18058	End	21777
GI	none	Score	183
Exons	18058..18093, 18097..18234, 18098..18235, 18311..18376, 18319..18384, 18576..18728, 18578..18688, 18767..18946, 18769..18942, 19292..19420, 19357..19419, 19495..19698, 19517..19675, 19537..19680, 19758..19865, 19759..19866, 19973..20083, 19977..20078, 20006..20083, 20111..20155, 20112..20147, 20343..20585, 20343..20585, 20500..20586, 20663..20755, 20670..20798, 20827..20934, 20829..20933, 21287..21430, 21481..21621, 21488..21616, 21664..21777		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69835	Strand	-
Start	24000	End	32392
Name	OJ000251_24.0218.C5.o2.tm	Method	TBLASTX:Maize
Start	20886	End	21868
GI	none	Score	64
Exons	20886..20933, 20886..20933, 21287..21418, 21287..21430, 21481..21621, 21482..21616, 21493..21618, 21664..21777, 21742..21774, 21806..21868, 21824..21859		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69835	Strand	-
Start	24000	End	32392
Name	OJ000251_24.0218.C5.o1.ts	Method	TBLASTX:Soybean
Start	21368	End	21777
GI	none	Score	150
Exons	21368..21430, 21481..21621, 21488..21616, 21493..21618, 21697..21777		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5

Gene No.	69835	Strand	-
Start	24000	End	32392
Name	OJ000251_24.0218.C5.o15.gp	Method	AAT/GAP
Start	24000	End	26802
GI	18722_1.R1084	Score	857
Exons	24000..24199, 26418..26550, 26644..26802		
GI Descrip.	'2497953/sp|Q39054|CNX1_ARATH 4.0e-32 MOLYBDOPTERIN BIOSYNTHESIS CNX1 PROTEIN (MOLYBDENUM COFACTOR BIOSYNTHESIS ENZYME CNX1) >gi_1263314 (L47323) molybdenum cofactor biosynthesis enzyme [Arabidopsis thaliana] >gi_4469123_emb_CAB38312_ (AJ236870) molybdenum cofactor biosynthesis enzyme [Arabidopsis thaliana]'		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69835	Strand	-
Start	24000	End	32392
Name	OJ000251_24.0218.C5.o3.tw	Method	TBLASTX:Wheat
Start	26420	End	26726
GI	none	Score	41
Exons	26420..26455, 26421..26456, 26483..26557, 26483..26560, 26640..26726, 26648..26716		

Seq. No.	33682	Seq. ID	OJ000251_24.0218.C5
Gene No.	69835	Strand	-
Start	24000	End	32392
Name	OJ000251_24.0218.C5.o6.gs	Method	GENSCAN
Start	26423	End	32392
GI	none	Score	.46
Exons	26423..26550, 27205..27417, 28113..28307, 32205..32310, 32312..32392		

Seq. No.	33683	Seq. ID	OJ000251_24.0218.C6
Gene No.	69836	Strand	+
Start	1	End	2042
Name	OJ000251_24.0218.C6.o1.np	Method	AAT/NAP
Start	1	End	2042
GI	1076211	Score	133
Exons	1..212, 285..464, 1848..2042		
GI Descrip.	hypothetical protein VSP-3 - Chlamydomonas reinhardtii gi|530876 (L29029) amino acid feature: Rod protein domain, aa 266 .. 468; amino acid feature: globular protein domain, aa 32 .. 265 [Chlamydomonas reinhardtii]		

Seq. No.	33683	Seq. ID	OJ000251_24.0218.C6
Gene No.	69836	Strand	+
Start	1	End	2042
Name	OJ000251_24.0218.C6.o1.gs	Method	GENSCAN
Start	91	End	898
GI	none	Score	.84
Exons	91..262, 300..475, 689..898		

Seq. No.	33683	Seq. ID	OJ000251_24.0218.C6
Gene No.	69837	Strand	
Start	2203	End	5221
Name	OJ000251_24.0218.C6.o2.tm	Method	TBLASTX:Maize
Start	2203	End	4976
GI	none	Score	64
Exons	2203..2223, 2210..2299, 2217..2255, 2868..2906, 3053..3109,		

3054..3104, 3055..3123, 3167..3268, 3197..3262, 3932..3991,
3934..3993, 3934..3990, 4628..4762, 4629..4769, 4641..4763,
4909..4974, 4912..4974, 4914..4976

Seq. No.	33683	Seq. ID	OJ000251_24.0218.C6
Gene No.	69837	Strand	
Start	2203	End	5221
Name	OJ000251_24.0218.C6.o1.ts	Method	TBLASTX:Soybean
Start	3926	End	5221
GI	none	Score	62
Exons	3926..3997, 4628..4762, 4629..4769, 4912..4998, 5141..5221		

Seq. No.	33683	Seq. ID	OJ000251_24.0218.C6
Gene No.	69838	Strand	
Start	5141	End	8131
Name	OJ000251_24.0218.C6.o1.tm	Method	TBLASTX:Maize
Start	5141	End	8131
GI	none	Score	112
Exons	5141..5221, 5149..5223, 5156..5218, 5157..5219, 5158..5220, 5914..5991, 5917..5994, 7437..7484, 7445..7483, 7558..7632, 7559..7624, 7722..7775, 7850..7987, 7852..7986, 7858..7998, 8055..8126, 8077..8130, 8078..8131		

Seq. No.	33684	Seq. ID	OJ000251_24.0218.C7
Gene No.	69839	Strand	+
Start	29	End	2888
Name	OJ000251_24.0218.C7.o1.tm	Method	TBLASTX:Maize
Start	4	End	2737
GI	none	Score	144
Exons	4..141, 5..133, 974..1180, 975..1181, 976..1185, 1374..1541, 1388..1522, 2126..2170, 2127..2171, 2244..2357, 2245..2361, 2245..2385, 2595..2735, 2596..2736, 2597..2737, 2597..2707		

Seq. No.	33684	Seq. ID	OJ000251_24.0218.C7
Gene No.	69839	Strand	+
Start	29	End	2888
Name	OJ000251_24.0218.C7.o1.gs	Method	GENSCAN
Start	29	End	2874
GI	none	Score	.88
Exons	29..130, 975..1178, 1374..1518, 2131..2171, 2248..2358, 2694..2874		

Seq. No.	33684	Seq. ID	OJ000251_24.0218.C7
Gene No.	69839	Strand	+
Start	29	End	2888
Name	OJ000251_24.0218.C7.o1.gp	Method	AAT/GAP
Start	49	End	1493
GI	2428576	Score	658
Exons	49..130, 975..1178, 1374..1493		

Seq. No.	33684	Seq. ID	OJ000251_24.0218.C7
Gene No.	69839	Strand	+
Start	29	End	2888
Name	OJ000251_24.0218.C7.o1.np	Method	AAT/NAP
Start	977	End	2888
GI	3947608	Score	69
Exons	977..1005, 2601..2888		

GI Descrip. (AL023828) Y17G7B.13 [Caenorhabditis elegans]

Seq. No.	33684	Seq. ID	OJ000251_24.0218.C7
Gene No.	69839	Strand	+
Start	29	End	2888
Name	OJ000251_24.0218.C7.o2.tm	Method	TBLASTX:Maize
Start	2738	End	2888
GI	none	Score	179
Exons	2738..2887, 2739..2888		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69840	Strand	+
Start	77	End	177
Name	OJ000251_24.0218.C8.o1.gp	Method	AAT/GAP
Start	77	End	177
GI	2797320	Score	179
Exons	77..177		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69841	Strand	+
Start	1389	End	3075
Name	OJ000251_24.0218.C8.o1.gs	Method	GENSCAN
Start	1389	End	3075
GI	none	Score	.69
Exons	1389..1473, 1725..1989, 2326..2351, 2393..2586, 2752..3075		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69842	Strand	+
Start	12477	End	14925
Name	OJ000251_24.0218.C8.o3.gp	Method	AAT/GAP
Start	12364	End	14925
GI	20140_1.R1084	Score	1066
Exons	12364..12574, 13932..13979, 14612..14925		
GI Descrip.	'4455194/emb|CAB36517.1| 6.0e-22 (AL035440) putative protein [Arabidopsis thaliana]'		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69842	Strand	+
Start	12477	End	14925
Name	OJ000251_24.0218.C8.o5.gs	Method	GENSCAN
Start	12477	End	14692
GI	none	Score	.49
Exons	12477..12574, 12781..12937, 13932..13979, 14612..14692		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69843	Strand	+
Start	16781	End	28484
Name	OJ000251_24.0218.C8.o2.np	Method	AAT/NAP
Start	16781	End	27945
GI	3549652	Score	3445
Exons	16781..16840, 16971..17105, 18868..18888, 19354..19427, 19540..19630, 19705..19788, 20118..20219, 20467..20598, 20705..20776, 20866..20938, 21667..21821, 21992..22359, 22863..23135, 23232..23276, 23820..23999, 24077..24160, 24248..24339, 24437..24520, 24618..25309, 25564..25956, 26056..26190, 26972..27378, 27480..27594, 27772..27945		
GI Descrip.	(AJ224982) MAP3K epsilon protein kinase [Arabidopsis thaliana]		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69843	Strand	+
Start	16781	End	28484
Name	OJ000251_24.0218.C8.o6.gs	Method	GENSCAN
Start	16781	End	24313
GI	none	Score	.85
Exons	16781..16891, 16971..17105, 18055..18099, 18291..18369, 19065..19231, 20118..20219, 20467..20598, 20866..20969, 21635..21821, 21949..22335, 22842..23135, 23232..23276, 23820..23999, 24077..24160, 24248..24313		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69843	Strand	+
Start	16781	End	28484
Name	OJ000251_24.0218.C8.o4.gp	Method	AAT/GAP
Start	21959	End	22981
GI	none	Score	989
Exons	21959..22335, 22842..22981		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69843	Strand	+
Start	16781	End	28484
Name	OJ000251_24.0218.C8.o7.gs	Method	GENSCAN
Start	24622	End	28484
GI	none	Score	.84
Exons	24622..25309, 25733..25956, 26056..26190, 26972..27378, 27543..27594, 27772..27885, 28332..28484		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69843	Strand	+
Start	16781	End	28484
Name	OJ000251_24.0218.C8.o5.gp	Method	AAT/GAP
Start	24704	End	25694
GI	33511_1.R1084	Score	1395
Exons	24704..25309, 25564..25694		
GI Descrip.	'3549652/emb|CAA12272| 2.0e-36 (AJ224982) MAP3K epsilon protein kinase [Arabidopsis thaliana]'		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69843	Strand	+
Start	16781	End	28484
Name	OJ000251_24.0218.C8.o6.gp	Method	AAT/GAP
Start	27546	End	28292
GI	38868_1.R1084	Score	1120
Exons	27546..27594, 27772..28292		
GI Descrip.	'3549652/emb|CAA12272| 1.0e-31 (AJ224982) MAP3K epsilon protein kinase [Arabidopsis thaliana]'		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69844	Strand	-
Start	3304	End	6773
Name	OJ000251_24.0218.C8.o1.np	Method	AAT/NAP
Start	3295	End	6335
GI	6358806	Score	935
Exons	3295..4579, 4628..4850, 5150..5402, 5677..5740, 6251..6335		
GI Descrip.	(AC010675) putative peptide transporter [Arabidopsis thaliana]		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69844	Strand	-
Start	3304	End	6773
Name	OJ000251_24.0218.C8.o2.gs	Method	GENSCAN
Start	3304	End	6773
GI	none	Score	.45
Exons	3304..4830, 5202..5487, 6199..6268, 6443..6773		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69845	Strand	-
Start	11855	End	12064
Name	OJ000251_24.0218.C8.o4.gs	Method	GENSCAN
Start	11855	End	12064
GI	none	Score	.98
Exons	11855..12064		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69846	Strand	-
Start	28495	End	32319
Name	OJ000251_24.0218.C8.o4.tc	Method	TBLASTX:Cress
Start	3373	End	5399
GI	none	Score	48
Exons	3373..3495, 3550..3732, 3587..3727, 3803..3943, 3814..3954, 3958..4149, 4037..4198, 4384..4545, 4618..4818, 5229..5399		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69846	Strand	-
Start	28495	End	32319
Name	OJ000251_24.0218.C8.o4.tm	Method	TBLASTX:Maize
Start	3373	End	4156
GI	none	Score	38
Exons	3373..3489, 3433..3486, 3580..3729, 3581..3802, 3793..4047, 3797..4156, 3814..4128		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69846	Strand	-
Start	28495	End	32319
Name	OJ000251_24.0218.C8.o3.ts	Method	TBLASTX:Soybean
Start	3382	End	4198
GI	none	Score	42
Exons	3382..3495, 3464..3505, 3592..3723, 3614..3724, 3803..3994, 3814..4002, 4015..4197, 4037..4198		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69846	Strand	-
Start	28495	End	32319
Name	OJ000251_24.0218.C8.o9.tm	Method	TBLASTX:Maize
Start	4298	End	5363
GI	none	Score	129
Exons	4298..4546, 4363..4557, 4597..4749, 4771..4827, 5202..5312, 5202..5363		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69846	Strand	-
Start	28495	End	32319
Name	OJ000251_24.0218.C8.o6.tm	Method	TBLASTX:Maize

Start	7774	End	8065
GI	none	Score	45
Exons	7774..8064, 7904..7933, 7958..8065		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69846	Strand	-
Start	28495	End	32319
Name	OJ000251_24.0218.C8.o1.tw	Method	TBLASTX:Wheat
Start	7954	End	8250
GI	none	Score	172
Exons	7954..8250, 7955..8245		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69846	Strand	-
Start	28495	End	32319
Name	OJ000251_24.0218.C8.o7.tm	Method	TBLASTX:Maize
Start	16606	End	17105
GI	none	Score	38
Exons	16606..16677, 16769..16843, 16780..16839, 16971..17105, 16972..17097, 16991..17104		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69846	Strand	-
Start	28495	End	32319
Name	OJ000251_24.0218.C8.o5.ts	Method	TBLASTX:Soybean
Start	16971	End	17105
GI	none	Score	211
Exons	16971..17105, 16972..17103, 16991..17104		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69846	Strand	-
Start	28495	End	32319
Name	OJ000251_24.0218.C8.o3.tm	Method	TBLASTX:Maize
Start	19342	End	21014
GI	none	Score	77
Exons	19342..19431, 19347..19421, 19351..19428, 19353..19436, 19539..19634, 19540..19632, 19541..19633, 19702..19785, 19702..19785, 19703..19789, 20117..20143, 20121..20276, 20138..20275, 20464..20598, 20466..20603, 20467..20598, 20474..20602, 20702..20776, 20704..20778, 20705..20776, 20840..20947, 20862..20948, 20864..20938, 20866..20940, 20985..21014		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69846	Strand	-
Start	28495	End	32319
Name	OJ000251_24.0218.C8.o3.tc	Method	TBLASTX:Cress
Start	23961	End	24849
GI	none	Score	56
Exons	23961..24002, 24074..24163, 24088..24159, 24257..24349, 24420..24521, 24424..24522, 24434..24520, 24609..24782, 24616..24783, 24796..24849		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69846	Strand	-
Start	28495	End	32319
Name	OJ000251_24.0218.C8.o2.tm	Method	TBLASTX:Maize

Start	24480	End	25735
GI	none	Score	67
Exons	24480..24521, 24483..24521, 24578..24949, 24614..24958, 24616..24960, 24616..24963, 24937..25296, 24961..25287, 25026..25298, 25559..25615, 25560..25613, 25576..25650, 25604..25684, 25673..25735, 25674..25733, 25688..25735		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69846	Strand	-
Start	28495	End	32319
Name	OJ000251_24.0218.C8.o2.tc	Method	TBLASTX:Cress
Start	25216	End	26184
GI	none	Score	115
Exons	25216..25308, 25221..25307, 25542..25607, 25559..25606, 25683..25796, 25683..25796, 25684..25818, 25809..25964, 25810..25959, 26050..26184, 26055..26180, 26065..26184		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69846	Strand	-
Start	28495	End	32319
Name	OJ000251_24.0218.C8.o2.ts	Method	TBLASTX:Soybean
Start	26971	End	27250
GI	none	Score	183
Exons	26971..27246, 26996..27250, 26997..27245, 27016..27249		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69846	Strand	-
Start	28495	End	32319
Name	OJ000251_24.0218.C8.o5.tm	Method	TBLASTX:Maize
Start	27493	End	28263
GI	none	Score	103
Exons	27493..27597, 27496..27597, 27744..27947, 27750..27950, 27769..27951, 27770..27949, 27956..28009, 27972..28010, 27973..28011, 28081..28110, 28082..28111, 28082..28111, 28083..28112, 28225..28263		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69846	Strand	-
Start	28495	End	32319
Name	OJ000251_24.0218.C8.o4.ts	Method	TBLASTX:Soybean
Start	27553	End	28111
GI	none	Score	66
Exons	27553..27597, 27744..27947, 27769..27951, 27770..28006, 27770..27949, 27972..28010, 27973..28011, 28081..28110, 28082..28111, 28082..28111		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69846	Strand	-
Start	28495	End	32319
Name	OJ000251_24.0218.C8.o5.tc	Method	TBLASTX:Cress
Start	27769	End	27948
GI	none	Score	266
Exons	27769..27948, 27774..27947		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69846	Strand	-
Start	28495	End	32319

Name	OJ000251_24.0218.C8.o7.gp	Method	AAT/GAP
Start	28495	End	30838
GI	215_1.R1084	Score	3251
Exons	28495..29823, 29919..30048, 30565..30838		
GI Descrip.	'4158219/emb|CAA77234| 0.0e+00 (Y18623) amylogenin [Oryza sativa]'		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69846	Strand	-
Start	28495	End	32319
Name	OJ000251_24.0218.C8.o1.tm	Method	TBLASTX:Maize
Start	28715	End	29635
GI	none	Score	78
Exons	28715..28867, 28719..29555, 28719..29555, 29559..29633, 29568..29633, 29570..29635, 29570..29635		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69846	Strand	-
Start	28495	End	32319
Name	OJ000251_24.0218.C8.o8.gs	Method	GENSCAN
Start	28719	End	32319
GI	none	Score	42
Exons	28719..29767, 29919..30048, 30565..30940, 31023..31069, 32170..32319		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69846	Strand	-
Start	28495	End	32319
Name	OJ000251_24.0218.C8.o3.np	Method	AAT/NAP
Start	28722	End	29762
GI	4158219	Score	1831
Exons	28722..29762		
GI Descrip.	(Y18623) amylogenin [Oryza sativa]		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69846	Strand	-
Start	28495	End	32319
Name	OJ000251_24.0218.C8.o1.ts	Method	TBLASTX:Soybean
Start	28740	End	29574
GI	none	Score	87
Exons	28740..28937, 28741..28938, 28932..28967, 28968..29033, 28981..29007, 29031..29555, 29257..29574		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69846	Strand	-
Start	28495	End	32319
Name	OJ000251_24.0218.C8.o1.tc	Method	TBLASTX:Cress
Start	28746	End	29693
GI	none	Score	50
Exons	28746..28937, 28965..29060, 28980..29057, 28984..29061, 29049..29555, 29100..29522, 29113..29556, 29568..29693		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69846	Strand	-
Start	28495	End	32319
Name	OJ000251_24.0218.C8.o2.tw	Method	TBLASTX:Wheat
Start	28758	End	29202

GI	none	Score	61
Exons	28758..28937, 28965..29060, 29049..29201, 29113..29202		

Seq. No.	33685	Seq. ID	OJ000251_24.0218.C8
Gene No.	69846	Strand	-
Start	28495	End	32319
Name	OJ000251_24.0218.C8.o8.tm	Method	TBLASTX:Maize
Start	29635	End	30705
GI	none	Score	156
Exons	29635..29766, 29636..29764, 29636..29767, 29637..29765, 29637..29768, 29638..29769, 29918..30049, 29920..30054, 30487..30678, 30682..30705		

Seq. No.	33686	Seq. ID	OJ000251_24.0218.C9
Gene No.	69847	Strand	+
Start	1	End	3414
Name	OJ000251_24.0218.C9.o1.gp	Method	AAT/GAP
Start	1	End	2041
GI	uC-osf1cyp121b09b1	Score	714
Exons	1..78, 757..1026, 2009..2041		
GI Descrip.	'4585871/gb|AAD25544.1|AC005850_1 1.0e-67 (AC005850) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	33686	Seq. ID	OJ000251_24.0218.C9
Gene No.	69847	Strand	+
Start	1	End	3414
Name	OJ000251_24.0218.C9.o1.np	Method	AAT/NAP
Start	1	End	3411
GI	6554202	Score	750
Exons	1..78, 757..1026, 2009..2164, 3295..3411		
GI Descrip.	(AC011661) T23J18.5 [Arabidopsis thaliana]		

Seq. No.	33686	Seq. ID	OJ000251_24.0218.C9
Gene No.	69847	Strand	+
Start	1	End	3414
Name	OJ000251_24.0218.C9.o1.gs	Method	GENSCAN
Start	757	End	3414
GI	none	Score	.84
Exons	757..1026, 2009..2164, 3295..3414		

Seq. No.	33686	Seq. ID	OJ000251_24.0218.C9
Gene No.	69848	Strand	+
Start	3919	End	5836
Name	OJ000251_24.0218.C9.o2.gs	Method	GENSCAN
Start	3919	End	5836
GI	none	Score	.96
Exons	3919..3928, 4592..4770, 5040..5149, 5701..5836		

Seq. No.	33686	Seq. ID	OJ000251_24.0218.C9
Gene No.	69849	Strand	+
Start	6636	End	7264
Name	OJ000251_24.0218.C9.o1.ts	Method	TBLASTX:Soybean
Start	1	End	3624
GI	none	Score	126
Exons	1..81, 3..80, 742..825, 756..809, 811..1026, 819..1031, 843..1031, 2006..2164, 2008..2163, 3282..3410, 3286..3411, 3293..3415, 3294..3416, 3502..3624		

Seq. No.	33686	Seq. ID	OJ000251_24.0218.C9
Gene No.	69849	Strand	+
Start	6636	End	7264
Name	OJ000251_24.0218.C9.o1.tm	Method	TBLASTX:Maize
Start	2006	End	3417
GI	none	Score	266
Exons	2006..2164, 2008..2163, 2122..2169, 3286..3417, 3288..3416		

Seq. No.	33686	Seq. ID	OJ000251_24.0218.C9
Gene No.	69849	Strand	+
Start	6636	End	7264
Name	OJ000251_24.0218.C9.o3.gs	Method	GENSCAN
Start	6636	End	7264
GI	none	Score	.82
Exons	6636..6825, 6952..7041, 7143..7264		

Seq. No.	33687	Seq. ID	OJ000251_24.0218.C10
Gene No.	69850	Strand	+
Start	44	End	1402
Name	OJ000251_24.0218.C10.o1.gs	Method	GENSCAN
Start	44	End	1402
GI	none	Score	.98
Exons	44..177, 393..474, 1229..1402		

Seq. No.	33688	Seq. ID	OJ000251_24.0218.C11
Gene No.	69851	Strand	-
Start	362	End	949
Name	OJ000251_24.0218.C11.o1.gs	Method	GENSCAN
Start	362	End	949
GI	none	Score	.4
Exons	362..589, 905..949		

Seq. No.	33689	Seq. ID	OJ000251_24.0218.C12
Gene No.	69852	Strand	+
Start	319	End	405
Name	OJ000251_24.0218.C12.o1.gs	Method	GENSCAN
Start	319	End	405
GI	none	Score	.48
Exons	319..405		

Seq. No.	33689	Seq. ID	OJ000251_24.0218.C12
Gene No.	69853	Strand	-
Start	1	End	386
Name	OJ000251_24.0218.C12.o1.np	Method	AAT/NAP
Start	1	End	320
GI	6554202	Score	413
Exons	1..320		
GI Descrip.	(AC011661) T23J18.5 [Arabidopsis thaliana]		

Seq. No.	33689	Seq. ID	OJ000251_24.0218.C12
Gene No.	69853	Strand	-
Start	1	End	386
Name	OJ000251_24.0218.C12.o1.tm	Method	TBLASTX:Maize
Start	60	End	359
GI	none	Score	382
Exons	60..356, 60..359, 91..357		

Seq. No.	33689	Seq. ID	OJ000251_24.0218.C12
Gene No.	69853	Strand	-
Start	1	End	386
Name	OJ000251_24.0218.C12.o1.tc	Method	TBLASTX:Cress
Start	93	End	297
GI	none	Score	97
Exons	93..215, 97..213, 147..296, 217..285, 217..297		

Seq. No.	33689	Seq. ID	OJ000251_24.0218.C12
Gene No.	69853	Strand	-
Start	1	End	386
Name	OJ000251_24.0218.C12.o1.ts	Method	TBLASTX:Soybean
Start	152	End	386
GI	none	Score	153
Exons	152..352, 156..386, 163..351, 164..352		

Seq. No.	33689	Seq. ID	OJ000251_24.0218.C12
Gene No.	69854	Strand	
Start	360	End	576
Name	OJ000251_24.0218.C12.o2.tm	Method	TBLASTX:Maize
Start	360	End	576
GI	none	Score	59
Exons	360..428, 360..428, 361..429, 361..429, 441..575, 442..576, 451..576		

Seq. No.	33690	Seq. ID	OJ000251_24.0218.C15
Gene No.	69855	Strand	+
Start	1	End	794
Name	OJ000251_24.0218.C15.o1.np	Method	AAT/NAP
Start	1	End	794
GI	6642638	Score	475
Exons	1..91, 134..794		
GI Descrip.	(AC012395) GTP cyclohydrolase I [Arabidopsis thaliana]		

Seq. No.	33690	Seq. ID	OJ000251_24.0218.C15
Gene No.	69856	Strand	-
Start	670	End	1233
Name	OJ000251_24.0218.C15.o1.tm	Method	TBLASTX:Maize
Start	2	End	786
GI	none	Score	199
Exons	2..160, 3..134, 4..159, 183..302, 187..303, 187..312, 224..307, 305..781, 305..769, 399..779, 505..780, 538..786		

Seq. No.	33690	Seq. ID	OJ000251_24.0218.C15
Gene No.	69856	Strand	-
Start	670	End	1233
Name	OJ000251_24.0218.C15.o1.gp	Method	AAT/GAP
Start	670	End	1233
GI	none	Score	1097
Exons	670..1233		

Seq. No.	33691	Seq. ID	OJ000251_24.0218.C16
Gene No.	69857	Strand	+
Start	89	End	650
Name	OJ000251_24.0218.C16.o1.gs	Method	GENSCAN
Start	89	End	650

GI	none	Score	.67
Exons	89..182, 520..650		
Seq. No.	33692	Seq. ID	OJ000251_24.0218.C17
Gene No.	69858	Strand	+
Start	292	End	479
Name	OJ000251_24.0218.C17.o1.gs	Method	GENSCAN
Start	292	End	479
GI	none	Score	.6
Exons	292..372, 374..479		
Seq. No.	33693	Seq. ID	OJ000251_24.0218.C18
Gene No.	69859	Strand	+
Start	1	End	620
Name	OJ000251_24.0218.C18.o1.gp	Method	AAT/GAP
Start	1	End	598
GI	none	Score	1038
Exons	1..598		
Seq. No.	33693	Seq. ID	OJ000251_24.0218.C18
Gene No.	69859	Strand	+
Start	1	End	620
Name	OJ000251_24.0218.C18.o1.gs	Method	GENSCAN
Start	49	End	536
GI	none	Score	.77
Exons	49..536		
Seq. No.	33693	Seq. ID	OJ000251_24.0218.C18
Gene No.	69859	Strand	+
Start	1	End	620
Name	OJ000251_24.0218.C18.o1.tm	Method	TBLASTX:Maize
Start	448	End	620
GI	none	Score	187
Exons	448..483, 453..620, 476..616, 520..618		
Seq. No.	33694	Seq. ID	OJ000251_24.0218.C19
Gene No.	69860	Strand	-
Start	68	End	169
Name	OJ000251_24.0218.C19.o1.gs	Method	GENSCAN
Start	68	End	169
GI	none	Score	.47
Exons	68..169		
Seq. No.	33695	Seq. ID	OJ000251_24.0218.C21
Gene No.	69861	Strand	-
Start	1	End	524
Name	OJ000251_24.0218.C21.o1.gp	Method	AAT/GAP
Start	1	End	524
GI	33511_1.R1084	Score	1037
Exons	1..524		
GI Descrip.	'3549652/emb|CAA12272| 2.0e-36 (AJ224982) MAP3K epsilon protein kinase [Arabidopsis thaliana]'		
Seq. No.	33695	Seq. ID	OJ000251_24.0218.C21
Gene No.	69861	Strand	-
Start	1	End	524
Name	OJ000251_24.0218.C21.o1.np	Method	AAT/NAP

Start	1	End	524
GI	6648210	Score	292
Exons	1..524		
GI Descrip.	(AC013483) putative MAP3K epsilon protein kinase [Arabidopsis thaliana]		

Seq. No.	33695	Seq. ID	OJ000251_24.0218.C21
Gene No.	69861	Strand	-
Start	1	End	524
Name	OJ000251_24.0218.C21.o1.tm	Method	TBLASTX:Maize
Start	1	End	522
GI	none	Score	293
Exons	1..306, 2..217, 280..522, 283..522		

Seq. No.	33696	Seq. ID	OJ000251_24.0218.C22
Gene No.	69862	Strand	-
Start	88	End	1296
Name	OJ000251_24.0218.C22.o1.gs	Method	GENSCAN
Start	88	End	1296
GI	none	Score	1
Exons	88..1296		

Seq. No.	33696	Seq. ID	OJ000251_24.0218.C22
Gene No.	69862	Strand	-
Start	88	End	1296
Name	OJ000251_24.0218.C22.o1.np	Method	AAT/NAP
Start	91	End	1296
GI	2126090	Score	2114
Exons	91..1296		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi|455676|bbs|140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli] gi|6634720|gb|AAF19728.1|AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]		

Seq. No.	33696	Seq. ID	OJ000251_24.0218.C22
Gene No.	69863	Strand	
Start	1256	End	1402
Name	OJ000251_24.0218.C22.o1.tc	Method	TBLASTX:Cress
Start	1256	End	1402
GI	none	Score	197
Exons	1256..1402, 1256..1375, 1258..1401		

Seq. No.	33697	Seq. ID	OJ000251_24.0218.C23
Gene No.	69864	Strand	+
Start	637	End	773
Name	OJ000251_24.0218.C23.o1.gs	Method	GENSCAN
Start	637	End	773
GI	none	Score	.83
Exons	637..773		

Seq. No.	33697	Seq. ID	OJ000251_24.0218.C23
Gene No.	69865	Strand	-
Start	2217	End	3330
Name	OJ000251_24.0218.C23.o2.gs	Method	GENSCAN
Start	2217	End	3330

GI	none	Score	.77
Exons	2217..2293, 2793..2856, 3283..3330		
Seq. No.	33698	Seq. ID	OJ000251_24.0218.C24
Gene No.	69866	Strand	-
Start	24	End	82
Name	OJ000251_24.0218.C24.o1.gs	Method	GENSCAN
Start	24	End	82
GI	none	Score	.57
Exons	24..82		
Seq. No.	33699	Seq. ID	OJ000251_24.0218.C25
Gene No.	69867	Strand	-
Start	43	End	206
Name	OJ000251_24.0218.C25.o1.gp	Method	AAT/GAP
Start	43	End	206
GI	2798312	Score	294
Exons	43..206		
Seq. No.	33700	Seq. ID	OJ000251_24.0218.C26
Gene No.	69868	Strand	
Start	75	End	219
Name	OJ000251_24.0218.C26.o1.tm	Method	TBLASTX:Maize
Start	75	End	214
GI	none	Score	237
Exons	75..212, 80..211, 86..214		
Seq. No.	33700	Seq. ID	OJ000251_24.0218.C26
Gene No.	69868	Strand	
Start	75	End	219
Name	OJ000251_24.0218.C26.o1.tc	Method	TBLASTX:Cress
Start	80	End	219
GI	none	Score	192
Exons	80..211, 87..212, 88..219		
Seq. No.	33700	Seq. ID	OJ000251_24.0218.C26
Gene No.	69868	Strand	
Start	75	End	219
Name	OJ000251_24.0218.C26.o1.tw	Method	TBLASTX:Wheat
Start	80	End	209
GI	none	Score	190
Exons	80..202, 87..200, 90..209, 91..201		
Seq. No.	33701	Seq. ID	OJ000251_24.0218.C27
Gene No.	69869	Strand	+
Start	62	End	152
Name	OJ000251_24.0218.C27.o1.gs	Method	GENSCAN
Start	62	End	152
GI	none	Score	.67
Exons	62..152		
Seq. No.	33702	Seq. ID	OJ000251_24.0218.C30
Gene No.	69870	Strand	-
Start	214	End	450
Name	OJ000251_24.0218.C30.o1.np	Method	AAT/NAP
Start	214	End	450
GI	3549652	Score	167

Exons	214..450		
GI Descrip.	(AJ224982) MAP3K epsilon protein kinase [Arabidopsis thaliana]		
Seq. No.	33702	Seq. ID	OJ000251_24.0218.C30
Gene No.	69870	Strand	-
Start	214	End	450
Name	OJ000251_24.0218.C30.o1.gs	Method	GENSCAN
Start	255	End	389
GI	none	Score	.93
Exons	255..389		
Seq. No.	33702	Seq. ID	OJ000251_24.0218.C30
Gene No.	69870	Strand	-
Start	214	End	450
Name	OJ000251_24.0218.C30.o1.tm	Method	TBLASTX:Maize
Start	255	End	430
GI	none	Score	218
Exons	255..389, 256..390, 308..430		
Seq. No.	33702	Seq. ID	OJ000251_24.0218.C30
Gene No.	69870	Strand	-
Start	214	End	450
Name	OJ000251_24.0218.C30.o1.ts	Method	TBLASTX:Soybean
Start	255	End	390
GI	none	Score	169
Exons	255..389, 256..390		
Seq. No.	33703	Seq. ID	OJ000251_27.0218.C4
Gene No.	69871	Strand	-
Start	1	End	84
Name	OJ000251_27.0218.C4.o1.gp	Method	AAT/GAP
Start	1	End	84
GI	2799168	Score	82
Exons	1..84		
GI Descrip.	4760545/dbj|BAA77333.1| 4.0e-16 (AB019492) IDN4-GGTR14 [Homo sapiens]		
Seq. No.	33704	Seq. ID	OJ000251_27.0218.C5
Gene No.	69872	Strand	+
Start	312	End	402
Name	OJ000251_27.0218.C5.o1.gp	Method	AAT/GAP
Start	312	End	402
GI	5867_1.R1084	Score	132
Exons	312..402		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		
Seq. No.	33705	Seq. ID	OJ000251_27.0218.C6
Gene No.	69873	Strand	+
Start	5549	End	8303
Name	OJ000251_27.0218.C6.o2.gs	Method	GENSCAN
Start	5549	End	8303

GI	none	Score	.57
Exons	5549..5633, 5642..6014, 6371..6606, 6645..6807, 6851..7017, 7031..7369, 8155..8303		

Seq. No.	33705	Seq. ID	OJ000251_27.0218.C6
Gene No.	69874	Strand	-
Start	2032	End	2880
Name	OJ000251_27.0218.C6.o1.gs	Method	GENSCAN
Start	2032	End	2880
GI	none	Score	.9
Exons	2032..2880		

Seq. No.	33706	Seq. ID	OJ000251_27.0218.C7
Gene No.	69875	Strand	-
Start	1647	End	1979
Name	OJ000251_27.0218.C7.o1.gs	Method	GENSCAN
Start	1647	End	1979
GI	none	Score	.76
Exons	1647..1746, 1975..1979		

Seq. No.	33707	Seq. ID	OJ000251_27.0218.C8
Gene No.	69876	Strand	+
Start	843	End	7498
Name	OJ000251_27.0218.C8.o1.gs	Method	GENSCAN
Start	843	End	6221
GI	none	Score	.45
Exons	843..905, 1232..1309, 1587..2536, 3441..4178, 4201..4435, 4592..4889, 4969..5099, 5233..5353, 5425..5569, 5864..6221		

Seq. No.	33707	Seq. ID	OJ000251_27.0218.C8
Gene No.	69876	Strand	+
Start	843	End	7498
Name	OJ000251_27.0218.C8.o1.np	Method	AAT/NAP
Start	1863	End	7498
GI	3600044	Score	1713
Exons	1863..2457, 2746..4275, 4676..6197, 7467..7498		
GI Descrip.	(AF080119) contains similarity to proteases [Arabidopsis thaliana]		

Seq. No.	33707	Seq. ID	OJ000251_27.0218.C8
Gene No.	69877	Strand	-
Start	6605	End	7888
Name	OJ000251_27.0218.C8.o7.tm	Method	TBLASTX:Maize
Start	1962	End	2267
GI	none	Score	206
Exons	1962..2264, 1965..2267		

Seq. No.	33707	Seq. ID	OJ000251_27.0218.C8
Gene No.	69877	Strand	-
Start	6605	End	7888
Name	OJ000251_27.0218.C8.o5.tm	Method	TBLASTX:Maize
Start	3063	End	3378
GI	none	Score	195
Exons	3063..3236, 3064..3258, 3247..3378		

Seq. No.	33707	Seq. ID	OJ000251_27.0218.C8
Gene No.	69877	Strand	-

Start	6605	End	7888
Name	OJ000251_27.0218.C8.o4.tw	Method	TBLASTX:Wheat
Start	3079	End	3486
GI	none	Score	100
Exons	3079..3210, 3130..3225, 3247..3339, 3373..3486		

Seq. No.	33707	Seq. ID	OJ000251_27.0218.C8
Gene No.	69877	Strand	-
Start	6605	End	7888
Name	OJ000251_27.0218.C8.o2.tc	Method	TBLASTX:Cress
Start	3298	End	3582
GI	none	Score	186
Exons	3298..3492, 3496..3582		

Seq. No.	33707	Seq. ID	OJ000251_27.0218.C8
Gene No.	69877	Strand	-
Start	6605	End	7888
Name	OJ000251_27.0218.C8.o8.tm	Method	TBLASTX:Maize
Start	3388	End	3669
GI	none	Score	170
Exons	3388..3558, 3397..3558, 3550..3669, 3571..3666		

Seq. No.	33707	Seq. ID	OJ000251_27.0218.C8
Gene No.	69877	Strand	-
Start	6605	End	7888
Name	OJ000251_27.0218.C8.o1.tm	Method	TBLASTX:Maize
Start	3672	End	4133
GI	none	Score	103
Exons	3672..3779, 3676..3777, 3754..4131, 3942..4133, 4029..4133		

Seq. No.	33707	Seq. ID	OJ000251_27.0218.C8
Gene No.	69877	Strand	-
Start	6605	End	7888
Name	OJ000251_27.0218.C8.o3.ts	Method	TBLASTX:Soybean
Start	3682	End	4143
GI	none	Score	255
Exons	3682..4143		

Seq. No.	33707	Seq. ID	OJ000251_27.0218.C8
Gene No.	69877	Strand	-
Start	6605	End	7888
Name	OJ000251_27.0218.C8.o1.tc	Method	TBLASTX:Cress
Start	3742	End	4158
GI	none	Score	307
Exons	3742..4158		

Seq. No.	33707	Seq. ID	OJ000251_27.0218.C8
Gene No.	69877	Strand	-
Start	6605	End	7888
Name	OJ000251_27.0218.C8.o1.tw	Method	TBLASTX:Wheat
Start	3808	End	4152
GI	none	Score	312
Exons	3808..4152, 3933..4094		

Seq. No.	33707	Seq. ID	OJ000251_27.0218.C8
Gene No.	69877	Strand	-
Start	6605	End	7888

Name	OJ000251_27.0218.C8.o2.ts	Method	TBLASTX:Soybean
Start	4685	End	5177
GI	5509260	Score	200
Exons	4685..4966, 5006..5161, 5007..5177		
GI Descrip.	-		

Seq. No.	33707	Seq. ID	OJ000251_27.0218.C8
Gene No.	69877	Strand	-
Start	6605	End	7888
Name	OJ000251_27.0218.C8.o6.tm	Method	TBLASTX:Maize
Start	4729	End	4966
GI	none	Score	239
Exons	4729..4953, 4730..4966, 4733..4957		

Seq. No.	33707	Seq. ID	OJ000251_27.0218.C8
Gene No.	69877	Strand	-
Start	6605	End	7888
Name	OJ000251_27.0218.C8.o2.tw	Method	TBLASTX:Wheat
Start	4850	End	5385
GI	none	Score	94
Exons	4850..4981, 5007..5192, 5251..5385		

Seq. No.	33707	Seq. ID	OJ000251_27.0218.C8
Gene No.	69877	Strand	-
Start	6605	End	7888
Name	OJ000251_27.0218.C8.o3.tm	Method	TBLASTX:Maize
Start	5006	End	5424
GI	none	Score	303
Exons	5006..5239, 5007..5261, 5221..5424, 5278..5424		

Seq. No.	33707	Seq. ID	OJ000251_27.0218.C8
Gene No.	69877	Strand	-
Start	6605	End	7888
Name	OJ000251_27.0218.C8.o3.tw	Method	TBLASTX:Wheat
Start	5427	End	5763
GI	none	Score	92
Exons	5427..5522, 5520..5645, 5531..5644, 5646..5684, 5701..5763, 5730..5762		

Seq. No.	33707	Seq. ID	OJ000251_27.0218.C8
Gene No.	69877	Strand	-
Start	6605	End	7888
Name	OJ000251_27.0218.C8.o4.tm	Method	TBLASTX:Maize
Start	5427	End	5813
GI	none	Score	216
Exons	5427..5645, 5433..5645, 5646..5693, 5648..5692, 5719..5811, 5745..5813		

Seq. No.	33707	Seq. ID	OJ000251_27.0218.C8
Gene No.	69877	Strand	-
Start	6605	End	7888
Name	OJ000251_27.0218.C8.o1.ts	Method	TBLASTX:Soybean
Start	5553	End	6143
GI	none	Score	73
Exons	5553..5639, 5731..5811, 5739..5810, 5814..6143, 5816..6142		

Seq. No.	33707	Seq. ID	OJ000251_27.0218.C8

Gene No.	69877	Strand	-
Start	6605	End	7888
Name	OJ000251_27.0218.C8.o2.tm	Method	TBLASTX:Maize
Start	5816	End	6146
GI	none	Score	313
Exons	5816..6145, 5817..6146		

Seq. No.	33707	Seq. ID	OJ000251_27.0218.C8
Gene No.	69877	Strand	-
Start	6605	End	7888
Name	OJ000251_27.0218.C8.o5.tw	Method	TBLASTX:Wheat
Start	6005	End	6211
GI	none	Score	185
Exons	6005..6211, 6009..6185		

Seq. No.	33707	Seq. ID	OJ000251_27.0218.C8
Gene No.	69877	Strand	-
Start	6605	End	7888
Name	OJ000251_27.0218.C8.o2.gs	Method	GENSCAN
Start	6605	End	7888
GI	none	Score	.73
Exons	6605..6670, 7158..7296, 7806..7888		

Seq. No.	33708	Seq. ID	OJ000251_27.0218.C9
Gene No.	69878	Strand	+
Start	2555	End	3610
Name	OJ000251_27.0218.C9.o1.gp	Method	AAT/GAP
Start	2555	End	3610
GI	1031_1.R1084	Score	1997
Exons	2555..3610		
GI Descrip.	'4760545/dbj|BAA77333.1| 4.0e-16 (AB019492) IDN4-GGTR14 [Homo sapiens]'		

Seq. No.	33708	Seq. ID	OJ000251_27.0218.C9
Gene No.	69878	Strand	+
Start	2555	End	3610
Name	OJ000251_27.0218.C9.o1.np	Method	AAT/NAP
Start	2583	End	3299
GI	2062389	Score	1276
Exons	2583..3299		
GI Descrip.	(U77657) pathogenesis-related thaumatin-like protein [Oryza sativa]		

Seq. No.	33708	Seq. ID	OJ000251_27.0218.C9
Gene No.	69878	Strand	+
Start	2555	End	3610
Name	OJ000251_27.0218.C9.o1.gs	Method	GENSCAN
Start	2604	End	3302
GI	none	Score	.93
Exons	2604..3302		

Seq. No.	33708	Seq. ID	OJ000251_27.0218.C9
Gene No.	69878	Strand	+
Start	2555	End	3610
Name	OJ000251_27.0218.C9.o1.tc	Method	TBLASTX:Cress
Start	2663	End	3317
GI	none	Score	91

Exons	2663..2740, 2667..2741, 2720..3001, 2721..3020, 3051..3152, 3059..3151, 3132..3263, 3273..3317		
Seq. No.	33708	Seq. ID	OJ000251_27.0218.C9
Gene No.	69878	Strand	+
Start	2555	End	3610
Name	OJ000251_27.0218.C9.o1.ts	Method	TBLASTX:Soybean
Start	2666	End	3305
GI	none	Score	486
Exons	2666..3004, 2667..3023, 3042..3161, 3059..3151, 3162..3305, 3167..3298		
Seq. No.	33708	Seq. ID	OJ000251_27.0218.C9
Gene No.	69878	Strand	+
Start	2555	End	3610
Name	OJ000251_27.0218.C9.o1.tm	Method	TBLASTX:Maize
Start	2669	End	3302
GI	none	Score	457
Exons	2669..3004, 2670..3017, 3042..3302, 3077..3301		
Seq. No.	33708	Seq. ID	OJ000251_27.0218.C9
Gene No.	69878	Strand	+
Start	2555	End	3610
Name	OJ000251_27.0218.C9.o1.tw	Method	TBLASTX:Wheat
Start	2675	End	2966
GI	none	Score	434
Exons	2675..2965, 2676..2966		
Seq. No.	33709	Seq. ID	OJ000251_27.0218.C10
Gene No.	69879	Strand	+
Start	276	End	2506
Name	OJ000251_27.0218.C10.o1.gs	Method	GENSCAN
Start	276	End	2506
GI	none	Score	.43
Exons	276..391, 1043..1160, 2005..2113, 2481..2506		
Seq. No.	33709	Seq. ID	OJ000251_27.0218.C10
Gene No.	69880	Strand	-
Start	1	End	5318
Name	OJ000251_27.0218.C10.o1.np	Method	AAT/NAP
Start	1	End	5318
GI	2494630	Score	99
Exons	1..49, 1246..1353, 4007..4153, 5268..5318		
GI Descrip.	GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE, TESTIS-SPECIFIC (GAPDH) gi|2117532|pir||I49681 glyceraldehyde-3-phosphate dehydrogenase (EC 1.2.1.12) - mouse gi|567204 (M60978) glyceraldehyde 3-phosphate dehydrogenase [Mus musculus]		
Seq. No.	33709	Seq. ID	OJ000251_27.0218.C10
Gene No.	69880	Strand	-
Start	1	End	5318
Name	OJ000251_27.0218.C10.o1.gp	Method	AAT/GAP
Start	2727	End	2924
GI	2227_1.R1084	Score	275
Exons	2727..2924		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 2.0e-56 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	33709	Seq. ID	OJ000251_27.0218.C10
Gene No.	69880	Strand	-
Start	1	End	5318
Name	OJ000251_27.0218.C10.o2.gs	Method	GENSCAN
Start	3068	End	4351
GI	none	Score	1
Exons	3068..4351		

Seq. No.	33710	Seq. ID	OJ000251_27.0218.C11
Gene No.	69881	Strand	+
Start	1657	End	4037
Name	OJ000251_27.0218.C11.o1.gs	Method	GENSCAN
Start	1657	End	2890
GI	none	Score	.64
Exons	1657..1711, 1940..2059, 2382..2657, 2730..2890		

Seq. No.	33710	Seq. ID	OJ000251_27.0218.C11
Gene No.	69881	Strand	+
Start	1657	End	4037
Name	OJ000251_27.0218.C11.o1.np	Method	AAT/NAP
Start	2355	End	4037
GI	6539588	Score	202
Exons	2355..2673, 3984..4037		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	33710	Seq. ID	OJ000251_27.0218.C11
Gene No.	69882	Strand	-
Start	3505	End	6288
Name	OJ000251_27.0218.C11.o2.gs	Method	GENSCAN
Start	3505	End	6288
GI	none	Score	.6
Exons	3505..3728, 6279..6288		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69883	Strand	+
Start	1086	End	2180
Name	OJ000251_27.0218.C12.o1.gs	Method	GENSCAN
Start	1086	End	2180
GI	none	Score	.63
Exons	1086..1206, 2143..2180		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69884	Strand	+
Start	5277	End	21814
Name	OJ000251_27.0218.C12.o5.np	Method	AAT/NAP
Start	5277	End	21814
GI	5917664	Score	107
Exons	5277..5343, 10488..10548, 10865..11022, 11954..12232, 17377..17552, 21758..21814		
GI Descrip.	(AF159296) extensin-like protein [Lycopersicon esculentum]		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69884	Strand	+
Start	5277	End	21814
Name	OJ000251_27.0218.C12.o2.np	Method	AAT/NAP
Start	9264	End	12992

GI	5732048	Score	86
Exons	9264..9292, 10559..11007, 12954..12992		
GI Descrip.	(AF147262) contains similarity to the Pfam family PF00646 - F-box domain; score=10.1, E=1.2, N=1 [Arabidopsis thaliana]		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69884	Strand	+
Start	5277	End	21814
Name	OJ000251_27.0218.C12.o4.gs	Method	GENSCAN
Start	10485	End	18250
GI	none	Score	.4
Exons	10485..10927, 11010..11119, 12236..12386, 14344..14466, 15227..15516, 15596..15662, 15955..16122, 16923..17108, 18136..18250		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69885	Strand	+
Start	21999	End	22179
Name	OJ000251_27.0218.C12.o5.gp	Method	AAT/GAP
Start	21999	End	22179
GI	15870_2.R1084	Score	251
Exons	21999..22179		
GI Descrip.	'287403/dbj|D10838|RICSBE1 8.0e-69 Rice gene for starch branching enzyme'		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69886	Strand	+
Start	29612	End	37984
Name	OJ000251_27.0218.C12.o7.gs	Method	GENSCAN
Start	29612	End	37984
GI	none	Score	.43
Exons	29612..29816, 31400..31508, 33015..33105, 33133..33221, 33758..34120, 34660..34790, 35573..35664, 36258..36509, 37479..37572, 37635..37984		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69886	Strand	+
Start	29612	End	37984
Name	OJ000251_27.0218.C12.o6.np	Method	AAT/NAP
Start	32693	End	34411
GI	6721512	Score	54
Exons	32693..32794, 32821..32929, 32967..33081, 34367..34411		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69886	Strand	+
Start	29612	End	37984
Name	OJ000251_27.0218.C12.o7.np	Method	AAT/NAP
Start	33309	End	33838
GI	6539585	Score	125
Exons	33309..33480, 33765..33838		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69887	Strand	+
Start	40232	End	45036
Name	OJ000251_27.0218.C12.o6.gp	Method	AAT/GAP

Start	40022	End	40387
GI	none	Score	663
Exons	40022..40387		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69887	Strand	+
Start	40232	End	45036
Name	OJ000251_27.0218.C12.o9.gs	Method	GENSCAN
Start	40232	End	45036
GI	none	Score	.69
Exons	40232..40387, 40996..41385, 41406..41574, 41900..42071, 42331..42462, 43520..43721, 44451..44635, 44706..45036		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69887	Strand	+
Start	40232	End	45036
Name	OJ000251_27.0218.C12.o7.gp	Method	AAT/GAP
Start	40413	End	40785
GI	3090603	Score	707
Exons	40413..40785		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69887	Strand	+
Start	40232	End	45036
Name	OJ000251_27.0218.C12.o8.np	Method	AAT/NAP
Start	41138	End	41529
GI	4966370	Score	128
Exons	41138..41292, 41386..41529		
GI Descrip.	(AC006341) >F3O9.30 [Arabidopsis thaliana]		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69888	Strand	-
Start	3725	End	7963
Name	OJ000251_27.0218.C12.o1.gp	Method	AAT/GAP
Start	3474	End	3810
GI	5005357	Score	506
Exons	3474..3810		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69888	Strand	-
Start	3725	End	7963
Name	OJ000251_27.0218.C12.o2.gs	Method	GENSCAN
Start	3725	End	4719
GI	none	Score	.92
Exons	3725..4401, 4494..4719		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69888	Strand	-
Start	3725	End	7963
Name	OJ000251_27.0218.C12.o1.np	Method	AAT/NAP
Start	3731	End	7246
GI	398845	Score	2179
Exons	3731..4401, 4494..4763, 6853..7246		
GI Descrip.	(X74654) beta3 tubulin [Zea mays]		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69888	Strand	-

Start	3725	End	7963
Name	OJ000251_27.0218.C12.o3.gs	Method	GENSCAN
Start	6698	End	7963
GI	none	Score	.86
Exons	6698..6780, 6853..7120, 7143..7318, 7951..7963		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69888	Strand	-
Start	3725	End	7963
Name	OJ000251_27.0218.C12.o2.gp	Method	AAT/GAP
Start	6868	End	7071
GI	568536	Score	302
Exons	6868..7071		
GI Descrip.	629838/pir||S43326 2.0e-09 tubulin beta-4 chain - maize >gi_416145 (L10635) beta-4 tubulin [Zea mays]		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69888	Strand	-
Start	3725	End	7963
Name	OJ000251_27.0218.C12.o3.gp	Method	AAT/GAP
Start	7081	End	7355
GI	220_15.R1084	Score	550
Exons	7081..7355		
GI Descrip.	'398845/emb|CAA52718| 2.0e-24 (X74654) beta3 tubulin [Zea mays]'		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69889	Strand	-
Start	10994	End	11141
Name	OJ000251_27.0218.C12.o3.np	Method	AAT/NAP
Start	10994	End	11141
GI	6688685	Score	43
Exons	10994..11141		
GI Descrip.	(AJ132139) 2-hydroxyphytanoyl-CoA lyase [Mus musculus]		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69890	Strand	-
Start	11414	End	12719
Name	OJ000251_27.0218.C12.o4.np	Method	AAT/NAP
Start	11414	End	12719
GI	6815099	Score	77
Exons	11414..11525, 12654..12719		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69891	Strand	-
Start	18428	End	20630
Name	OJ000251_27.0218.C12.o5.gs	Method	GENSCAN
Start	18428	End	20630
GI	none	Score	.52
Exons	18428..18608, 20578..20630		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69892	Strand	-
Start	21865	End	21945
Name	OJ000251_27.0218.C12.o4.gp	Method	AAT/GAP
Start	21865	End	21945
GI	38012_1.R1084	Score	103

Exons	21865..21945		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69893	Strand	-
Start	38476	End	39863
Name	OJ000251_27.0218.C12.o1.tc	Method	TBLASTX:Cress
Start	3789	End	7253
GI	none	Score	719
Exons	3789..4400, 3803..4399, 4477..4764, 4499..4702, 4745..4765, 6851..7252, 6852..7253		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69893	Strand	-
Start	38476	End	39863
Name	OJ000251_27.0218.C12.o1.ts	Method	TBLASTX:Soybean
Start	3789	End	6970
GI	none	Score	776
Exons	3789..4400, 3803..4399, 4477..4764, 4499..4702, 4504..4761, 4745..4765, 6851..6970, 6852..6956		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69893	Strand	-
Start	38476	End	39863
Name	OJ000251_27.0218.C12.o3.tw	Method	TBLASTX:Wheat
Start	3789	End	3995
GI	none	Score	230
Exons	3789..3995, 3803..3994		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69893	Strand	-
Start	38476	End	39863
Name	OJ000251_27.0218.C12.o1.tm	Method	TBLASTX:Maize
Start	3789	End	7312
GI	none	Score	914
Exons	3789..4400, 3803..4399, 4447..4761, 4477..4764, 6851..7138, 6852..7118, 7112..7312, 7113..7292, 7139..7297		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69893	Strand	-
Start	38476	End	39863
Name	OJ000251_27.0218.C12.o2.tw	Method	TBLASTX:Wheat
Start	4098	End	4376
GI	none	Score	354
Exons	4098..4376, 4098..4175, 4100..4375		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69893	Strand	-
Start	38476	End	39863
Name	OJ000251_27.0218.C12.o1.tw	Method	TBLASTX:Wheat
Start	4526	End	7250
GI	none	Score	214
Exons	4526..4702, 4528..4764, 4528..4764, 4745..4765, 6851..7249, 6852..7250, 7149..7250		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12

Gene No.	69893	Strand	-
Start	38476	End	39863
Name	OJ000251_27.0218.C12.o2.ts	Method	TBLASTX:Soybean
Start	6971	End	7250
GI	none	Score	310
Exons	6971..7249, 6975..7250		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69893	Strand	-
Start	38476	End	39863
Name	OJ000251_27.0218.C12.o2.tm	Method	TBLASTX:Maize
Start	10566	End	10811
GI	none	Score	274
Exons	10566..10811, 10572..10772		

Seq. No.	33711	Seq. ID	OJ000251_27.0218.C12
Gene No.	69893	Strand	-
Start	38476	End	39863
Name	OJ000251_27.0218.C12.o8.gs	Method	GENSCAN
Start	38476	End	39863
GI	none	Score	.72
Exons	38476..38685, 38981..39186, 39673..39756, 39848..39863		

Seq. No.	33712	Seq. ID	OJ000251_27.0218.C13
Gene No.	69894	Strand	+
Start	1199	End	3162
Name	OJ000251_27.0218.C13.o1.gs	Method	GENSCAN
Start	1199	End	3162
GI	none	Score	.57
Exons	1199..1356, 3059..3162		

Seq. No.	33712	Seq. ID	OJ000251_27.0218.C13
Gene No.	69895	Strand	+
Start	3632	End	5620
Name	OJ000251_27.0218.C13.o1.np	Method	AAT/NAP
Start	3632	End	5620
GI	4581111	Score	57
Exons	3632..3835, 5597..5620		
GI Descrip.	(AC005825) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	33712	Seq. ID	OJ000251_27.0218.C13
Gene No.	69896	Strand	-
Start	4409	End	6864
Name	OJ000251_27.0218.C13.o2.np	Method	AAT/NAP
Start	4391	End	6864
GI	5852079	Score	116
Exons	4391..4657, 6637..6864		
GI Descrip.	(AL117264) zwh0002.1 [Oryza sativa]		

Seq. No.	33712	Seq. ID	OJ000251_27.0218.C13
Gene No.	69896	Strand	-
Start	4409	End	6864
Name	OJ000251_27.0218.C13.o2.gs	Method	GENSCAN
Start	4409	End	5083
GI	none	Score	.68
Exons	4409..4718, 4770..4827, 4918..5083		

Seq. No.	33713	Seq. ID	OJ000251_27.0218.C14
Gene No.	69897	Strand	+
Start	502	End	698
Name	OJ000251_27.0218.C14.o1.gs	Method	GENSCAN
Start	502	End	698
GI	none	Score	.97
Exons	502..698		

Seq. No.	33713	Seq. ID	OJ000251_27.0218.C14
Gene No.	69898	Strand	+
Start	7436	End	8813
Name	OJ000251_27.0218.C14.o2.np	Method	AAT/NAP
Start	7436	End	8813
GI	6907088	Score	553
Exons	7436..7573, 7749..7893, 8350..8813		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	33713	Seq. ID	OJ000251_27.0218.C14
Gene No.	69899	Strand	-
Start	2972	End	8813
Name	OJ000251_27.0218.C14.o2.gs	Method	GENSCAN
Start	2972	End	3286
GI	none	Score	.83
Exons	2972..3286		

Seq. No.	33713	Seq. ID	OJ000251_27.0218.C14
Gene No.	69899	Strand	-
Start	2972	End	8813
Name	OJ000251_27.0218.C14.o1.np	Method	AAT/NAP
Start	3014	End	8813
GI	5852080	Score	129
Exons	3014..3501, 4579..4654, 8569..8813		
GI Descrip.	(AL117264) zwh0003.1 [Oryza sativa]		

Seq. No.	33713	Seq. ID	OJ000251_27.0218.C14
Gene No.	69899	Strand	-
Start	2972	End	8813
Name	OJ000251_27.0218.C14.o3.gs	Method	GENSCAN
Start	4524	End	8760
GI	none	Score	.72
Exons	4524..4750, 4764..4922, 5698..5837, 6938..6986, 8721..8760		

Seq. No.	33714	Seq. ID	OJ000251_27.0218.C15
Gene No.	69900	Strand	+
Start	300	End	1998
Name	OJ000251_27.0218.C15.o1.gs	Method	GENSCAN
Start	300	End	1998
GI	none	Score	.84
Exons	300..408, 837..969, 1145..1278, 1490..1577, 1773..1998		

Seq. No.	33714	Seq. ID	OJ000251_27.0218.C15
Gene No.	69901	Strand	-
Start	2338	End	2658
Name	OJ000251_27.0218.C15.o2.gs	Method	GENSCAN
Start	2338	End	2658
GI	none	Score	.91

Exons	2338..2658		
Seq. No.	33715	Seq. ID	OJ000251_27.0218.C17
Gene No.	69902	Strand	+
Start	3215	End	4559
Name	OJ000251_27.0218.C17.o1.ts	Method	TBLASTX:Soybean
Start	3199	End	4099
GI	none	Score	51
Exons	3199..3243, 3207..3260, 3256..3318, 3261..3317, 3298..3408, 3299..3373, 3388..3483, 3390..3524, 3506..3562, 3511..3564, 3578..3799, 3579..3788, 3792..3872, 3799..3873, 3799..3873, 3876..3905, 3906..3932, 3922..4056, 3926..4099, 3941..4063		
Seq. No.	33715	Seq. ID	OJ000251_27.0218.C17
Gene No.	69902	Strand	+
Start	3215	End	4559
Name	OJ000251_27.0218.C17.o1.tc	Method	TBLASTX:Cress
Start	3207	End	4099
GI	none	Score	53
Exons	3207..3260, 3215..3256, 3256..3318, 3298..3408, 3299..3373, 3388..3483, 3402..3479, 3505..3564, 3506..3562, 3575..3784, 3578..3799, 3579..3788, 3792..3872, 3793..3873, 3798..3872, 3799..3873, 3876..3905, 3906..3932, 3922..4056, 3926..4099		
Seq. No.	33715	Seq. ID	OJ000251_27.0218.C17
Gene No.	69902	Strand	+
Start	3215	End	4559
Name	OJ000251_27.0218.C17.o1.tm	Method	TBLASTX:Maize
Start	3207	End	4099
GI	none	Score	68
Exons	3207..3260, 3215..3259, 3250..3318, 3261..3302, 3299..3409, 3307..3408, 3387..3479, 3388..3483, 3505..3564, 3506..3562, 3578..3799, 3579..3788, 3771..3872, 3793..3873, 3796..3873, 3876..3905, 3878..3904, 3913..4083, 3922..4095, 3923..4099		
Seq. No.	33715	Seq. ID	OJ000251_27.0218.C17
Gene No.	69902	Strand	+
Start	3215	End	4559
Name	OJ000251_27.0218.C17.o1.np	Method	AAT/NAP
Start	3215	End	4559
GI	5823556	Score	627
Exons	3215..4098, 4498..4559		
GI Descrip.	(AF181096) ferric leghemoglobin reductase [Vigna unguiculata]		
Seq. No.	33715	Seq. ID	OJ000251_27.0218.C17
Gene No.	69902	Strand	+
Start	3215	End	4559
Name	OJ000251_27.0218.C17.o1.gs	Method	GENSCAN
Start	3293	End	4102
GI	none	Score	.82
Exons	3293..3380, 3513..3586, 3763..3906, 3974..4102		
Seq. No.	33715	Seq. ID	OJ000251_27.0218.C17
Gene No.	69902	Strand	+
Start	3215	End	4559
Name	OJ000251_27.0218.C17.o1.tw	Method	TBLASTX:Wheat
Start	3714	End	4009

GI	none	Score	99
Exons	3714..3788, 3714..3791, 3716..3799, 3771..3872, 3793..3873, 3796..3873, 3876..3905, 3878..3904, 3903..3932, 3912..3995, 3922..3996, 3922..4008, 3923..4009		

Seq. No.	33716	Seq. ID	OJ000251_20.0218.C2
Gene No.	69903	Strand	+
Start	241	End	2186
Name	OJ000251_20.0218.C2.o1.gs	Method	GENSCAN
Start	241	End	2186
GI	none	Score	.56
Exons	241..1534, 1567..1980, 2050..2186		

Seq. No.	33716	Seq. ID	OJ000251_20.0218.C2
Gene No.	69904	Strand	+
Start	8160	End	8696
Name	OJ000251_20.0218.C2.o1.gp	Method	AAT/GAP
Start	8160	End	8696
GI	61605_3.R1084	Score	371
Exons	8160..8417, 8663..8696		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	33716	Seq. ID	OJ000251_20.0218.C2
Gene No.	69905	Strand	-
Start	1	End	14216
Name	OJ000251_20.0218.C2.o3.np	Method	AAT/NAP
Start	1	End	14216
GI	5852175	Score	102
Exons	1..19, 8931..9038, 9614..9662, 10725..10895, 14186..14216		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	33716	Seq. ID	OJ000251_20.0218.C2
Gene No.	69905	Strand	-
Start	1	End	14216
Name	OJ000251_20.0218.C2.o2.gs	Method	GENSCAN
Start	2539	End	3110
GI	none	Score	.8
Exons	2539..2746, 2923..3110		

Seq. No.	33716	Seq. ID	OJ000251_20.0218.C2
Gene No.	69905	Strand	-
Start	1	End	14216
Name	OJ000251_20.0218.C2.o3.gs	Method	GENSCAN
Start	3866	End	8064
GI	none	Score	.42
Exons	3866..4336, 4469..4657, 4778..5879, 5922..6786, 6919..7149, 7290..7623, 7666..7789, 7967..8064		

Seq. No.	33716	Seq. ID	OJ000251_20.0218.C2
Gene No.	69905	Strand	-
Start	1	End	14216
Name	OJ000251_20.0218.C2.o2.np	Method	AAT/NAP
Start	3869	End	7773
GI	6539553	Score	6403
Exons	3869..7773		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1		

(D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No.	33716	Seq. ID	OJ000251_20.0218.C2
Gene No.	69905	Strand	-
Start	1	End	14216
Name	OJ000251_20.0218.C2.o2.tw	Method	TBLASTX:Wheat
Start	4005	End	4481
GI	none	Score	328
Exons	4005..4391, 4043..4390, 4406..4480, 4428..4481		

Seq. No.	33716	Seq. ID	OJ000251_20.0218.C2
Gene No.	69905	Strand	-
Start	1	End	14216
Name	OJ000251_20.0218.C2.o4.ts	Method	TBLASTX:Soybean
Start	4133	End	4474
GI	none	Score	87
Exons	4133..4342, 4212..4337, 4361..4474, 4368..4448		

Seq. No.	33716	Seq. ID	OJ000251_20.0218.C2
Gene No.	69905	Strand	-
Start	1	End	14216
Name	OJ000251_20.0218.C2.o5.tm	Method	TBLASTX:Maize
Start	4353	End	4675
GI	none	Score	152
Exons	4353..4649, 4355..4651, 4370..4675		

Seq. No.	33716	Seq. ID	OJ000251_20.0218.C2
Gene No.	69905	Strand	-
Start	1	End	14216
Name	OJ000251_20.0218.C2.o2.ts	Method	TBLASTX:Soybean
Start	4487	End	4832
GI	none	Score	124
Exons	4487..4831, 4632..4832		

Seq. No.	33716	Seq. ID	OJ000251_20.0218.C2
Gene No.	69905	Strand	-
Start	1	End	14216
Name	OJ000251_20.0218.C2.o3.tw	Method	TBLASTX:Wheat
Start	4685	End	5230
GI	none	Score	50
Exons	4685..4891, 4695..4826, 4886..5230, 4910..5083		

Seq. No.	33716	Seq. ID	OJ000251_20.0218.C2
Gene No.	69905	Strand	-
Start	1	End	14216
Name	OJ000251_20.0218.C2.o2.tm	Method	TBLASTX:Maize
Start	4766	End	5231
GI	none	Score	57
Exons	4766..5230, 4869..4979, 4913..5095, 5049..5231		

Seq. No.	33716	Seq. ID	OJ000251_20.0218.C2
Gene No.	69905	Strand	-
Start	1	End	14216
Name	OJ000251_20.0218.C2.o1.ts	Method	TBLASTX:Soybean
Start	4901	End	5365

GI	5509260	Score	58
Exons	4901..5365, 4920..4979, 5052..5147, 5196..5264		
GI Descrip.	-		

Seq. No.	33716	Seq. ID	OJ000251_20.0218.C2
Gene No.	69905	Strand	-
Start	1	End	14216
Name	OJ000251_20.0218.C2.o1.tc	Method	TBLASTX:Cress
Start	5012	End	5272
GI	none	Score	286
Exons	5012..5272		

Seq. No.	33716	Seq. ID	OJ000251_20.0218.C2
Gene No.	69905	Strand	-
Start	1	End	14216
Name	OJ000251_20.0218.C2.o1.tw	Method	TBLASTX:Wheat
Start	5285	End	6040
GI	none	Score	169
Exons	5285..5494, 5286..5444, 5305..5466, 5311..5532, 5541..5903, 5552..6040, 5559..6032		

Seq. No.	33716	Seq. ID	OJ000251_20.0218.C2
Gene No.	69905	Strand	-
Start	1	End	14216
Name	OJ000251_20.0218.C2.o3.ts	Method	TBLASTX:Soybean
Start	5690	End	6088
GI	none	Score	77
Exons	5690..5863, 5864..6088, 5879..6073, 5910..6080		

Seq. No.	33716	Seq. ID	OJ000251_20.0218.C2
Gene No.	69905	Strand	-
Start	1	End	14216
Name	OJ000251_20.0218.C2.o4.tm	Method	TBLASTX:Maize
Start	5876	End	6310
GI	none	Score	76
Exons	5876..6310, 5949..6101		

Seq. No.	33716	Seq. ID	OJ000251_20.0218.C2
Gene No.	69905	Strand	-
Start	1	End	14216
Name	OJ000251_20.0218.C2.o5.tw	Method	TBLASTX:Wheat
Start	6041	End	6235
GI	none	Score	173
Exons	6041..6232, 6041..6235, 6046..6234		

Seq. No.	33716	Seq. ID	OJ000251_20.0218.C2
Gene No.	69905	Strand	-
Start	1	End	14216
Name	OJ000251_20.0218.C2.o5.ts	Method	TBLASTX:Soybean
Start	6098	End	6484
GI	none	Score	89
Exons	6098..6346, 6329..6484		

Seq. No.	33716	Seq. ID	OJ000251_20.0218.C2
Gene No.	69905	Strand	-
Start	1	End	14216
Name	OJ000251_20.0218.C2.o1.tm	Method	TBLASTX:Maize

Start	6511	End	6833
GI	none	Score	370
Exons	6511..6702, 6512..6826, 6513..6806, 6579..6833		

Seq. No.	33716	Seq. ID	OJ000251_20.0218.C2
Gene No.	69905	Strand	-
Start	1	End	14216
Name	OJ000251_20.0218.C2.o3.tm	Method	TBLASTX:Maize
Start	7331	End	7644
GI	none	Score	272
Exons	7331..7636, 7335..7634, 7336..7644		

Seq. No.	33716	Seq. ID	OJ000251_20.0218.C2
Gene No.	69905	Strand	-
Start	1	End	14216
Name	OJ000251_20.0218.C2.o4.tw	Method	TBLASTX:Wheat
Start	7392	End	7779
GI	none	Score	218
Exons	7392..7649, 7393..7779, 7394..7768		

Seq. No.	33716	Seq. ID	OJ000251_20.0218.C2
Gene No.	69905	Strand	-
Start	1	End	14216
Name	OJ000251_20.0218.C2.o2.gp	Method	AAT/GAP
Start	9410	End	9638
GI	101153_1.R1084	Score	355
Exons	9410..9638		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	33717	Seq. ID	OJ000251_20.0218.C3
Gene No.	69906	Strand	+
Start	594	End	3738
Name	OJ000251_20.0218.C3.o1.gs	Method	GENSCAN
Start	594	End	3738
GI	none	Score	.78
Exons	594..649, 3008..3038, 3595..3738		

Seq. No.	33717	Seq. ID	OJ000251_20.0218.C3
Gene No.	69907	Strand	-
Start	8114	End	9647
Name	OJ000251_20.0218.C3.o2.gs	Method	GENSCAN
Start	8114	End	9647
GI	none	Score	.64
Exons	8114..8316, 8401..8554, 8742..8837, 8944..9049, 9271..9405, 9433..9647		

Seq. No.	33718	Seq. ID	OJ000251_20.0218.C4
Gene No.	69908	Strand	-
Start	1	End	1760
Name	OJ000251_20.0218.C4.o1.np	Method	AAT/NAP
Start	1	End	1760
GI	6721547	Score	507
Exons	1..893, 1690..1760		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	33718	Seq. ID	OJ000251_20.0218.C4

Gene No.	69908	Strand	-
Start	1	End	1760
Name	OJ000251_20.0218.C4.o1.tc	Method	TBLASTX:Cress
Start	11	End	1126
GI	none	Score	81
Exons	11..205, 299..343, 374..547, 566..724, 1007..1126		

Seq. No.	33718	Seq. ID	OJ000251_20.0218.C4
Gene No.	69908	Strand	-
Start	1	End	1760
Name	OJ000251_20.0218.C4.o1.tm	Method	TBLASTX:Maize
Start	32	End	494
GI	none	Score	91
Exons	32..151, 33..161, 126..284, 144..281, 155..292, 161..286, 293..490, 309..494, 351..494		

Seq. No.	33718	Seq. ID	OJ000251_20.0218.C4
Gene No.	69908	Strand	-
Start	1	End	1760
Name	OJ000251_20.0218.C4.o1.gs	Method	GENSCAN
Start	57	End	1548
GI	none	Score	.99
Exons	57..1121, 1493..1548		

Seq. No.	33718	Seq. ID	OJ000251_20.0218.C4
Gene No.	69908	Strand	-
Start	1	End	1760
Name	OJ000251_20.0218.C4.o1.tw	Method	TBLASTX:Wheat
Start	137	End	601
GI	none	Score	63
Exons	137..277, 137..277, 299..343, 312..581, 350..595, 377..601		

Seq. No.	33718	Seq. ID	OJ000251_20.0218.C4
Gene No.	69908	Strand	-
Start	1	End	1760
Name	OJ000251_20.0218.C4.o1.ts	Method	TBLASTX:Soybean
Start	383	End	1120
GI	none	Score	37
Exons	383..538, 408..470, 551..703, 561..704, 773..829, 792..830, 1022..1120		

Seq. No.	33719	Seq. ID	OJ000251_20.0218.C5
Gene No.	69909	Strand	+
Start	1428	End	1894
Name	OJ000251_20.0218.C5.o1.gs	Method	GENSCAN
Start	1428	End	1894
GI	none	Score	.57
Exons	1428..1517, 1785..1894		

Seq. No.	33719	Seq. ID	OJ000251_20.0218.C5
Gene No.	69910	Strand	+
Start	3469	End	8929
Name	OJ000251_20.0218.C5.o2.gs	Method	GENSCAN
Start	3469	End	8669
GI	none	Score	.44
Exons	3469..3617, 6529..6612, 7485..7721, 7779..7910, 8364..8472, 8550..8669		

Seq. No.	33719	Seq. ID	OJ000251_20.0218.C5
Gene No.	69910	Strand	+
Start	3469	End	8929
Name	OJ000251_20.0218.C5.o3.np	Method	AAT/NAP
Start	6661	End	8929
GI	5922620	Score	345
Exons	6661..6798, 7144..7168, 7799..7832, 8225..8519, 8690..8929		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33719	Seq. ID	OJ000251_20.0218.C5
Gene No.	69911	Strand	-
Start	1	End	6387
Name	OJ000251_20.0218.C5.o1.np	Method	AAT/NAP
Start	1	End	6387
GI	6539570	Score	218
Exons	1..64, 93..254, 1132..1207, 4026..4172, 5948..6001, 6181..6387		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	33719	Seq. ID	OJ000251_20.0218.C5
Gene No.	69912	Strand	-
Start	6523	End	7867
Name	OJ000251_20.0218.C5.o2.np	Method	AAT/NAP
Start	6523	End	7867
GI	6630699	Score	101
Exons	6523..6621, 7811..7867		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	33720	Seq. ID	OJ000251_20.0218.C6
Gene No.	69913	Strand	+
Start	1	End	1244
Name	OJ000251_20.0218.C6.o1.np	Method	AAT/NAP
Start	1	End	994
GI	5922620	Score	168
Exons	1..120, 852..994		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33720	Seq. ID	OJ000251_20.0218.C6
Gene No.	69913	Strand	+
Start	1	End	1244
Name	OJ000251_20.0218.C6.o1.gs	Method	GENSCAN
Start	715	End	1244
GI	none	Score	.48
Exons	715..997, 1139..1244		

Seq. No.	33720	Seq. ID	OJ000251_20.0218.C6
Gene No.	69914	Strand	-

Start	1133	End	1210
Name	OJ000251_20.0218.C6.o2.np	Method	AAT/NAP
Start	1133	End	1210
GI	6630699	Score	95
Exons	1133..1210		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	33720	Seq. ID	OJ000251_20.0218.C6
Gene No.	69915	Strand	-
Start	2854	End	3829
Name	OJ000251_20.0218.C6.o2.gs	Method	GENSCAN
Start	2854	End	3829
GI	none	Score	.98
Exons	2854..3007, 3783..3829		

Seq. No.	33721	Seq. ID	OJ000251_20.0218.C7
Gene No.	69916	Strand	+
Start	4074	End	5234
Name	OJ000251_20.0218.C7.o3.gs	Method	GENSCAN
Start	4074	End	5234
GI	none	Score	.58
Exons	4074..4373, 5082..5234		

Seq. No.	33721	Seq. ID	OJ000251_20.0218.C7
Gene No.	69917	Strand	+
Start	6511	End	9335
Name	OJ000251_20.0218.C7.o4.gs	Method	GENSCAN
Start	6511	End	9335
GI	none	Score	.59
Exons	6511..6540, 6648..6698, 7612..7658, 7984..8054, 8341..8526, 8792..8918, 9128..9335		

Seq. No.	33721	Seq. ID	OJ000251_20.0218.C7
Gene No.	69918	Strand	+
Start	10395	End	25576
Name	OJ000251_20.0218.C7.o5.gs	Method	GENSCAN
Start	10395	End	12340
GI	none	Score	.63
Exons	10395..10532, 12158..12340		

Seq. No.	33721	Seq. ID	OJ000251_20.0218.C7
Gene No.	69918	Strand	+
Start	10395	End	25576
Name	OJ000251_20.0218.C7.o2.np	Method	AAT/NAP
Start	10967	End	24874
GI	2792222	Score	327
Exons	10967..10990, 14098..14577, 24560..24874		
GI Descrip.	(AF032689) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	33721	Seq. ID	OJ000251_20.0218.C7
Gene No.	69918	Strand	+
Start	10395	End	25576
Name	OJ000251_20.0218.C7.o6.gs	Method	GENSCAN
Start	13594	End	17378
GI	none	Score	.78

Exons	13594..14550, 15279..15421, 15756..15869, 15962..16382, 16546..16794, 16840..17134, 17227..17378		
Seq. No.	33721	Seq. ID	OJ000251_20.0218.C7
Gene No.	69918	Strand	+
Start	10395	End	25576
Name	OJ000251_20.0218.C7.o3.np	Method	AAT/NAP
Start	21139	End	25576
GI	2213598	Score	97
Exons	21139..21167, 25216..25576		
GI Descrip.	(AC000348) T7N9.18 [Arabidopsis thaliana]		

Seq. No.	33721	Seq. ID	OJ000251_20.0218.C7
Gene No.	69918	Strand	+
Start	10395	End	25576
Name	OJ000251_20.0218.C7.o1.gp	Method	AAT/GAP
Start	21733	End	21799
GI	uC-osroM202024h08a1	Score	83
Exons	21733..21799		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	33721	Seq. ID	OJ000251_20.0218.C7
Gene No.	69918	Strand	+
Start	10395	End	25576
Name	OJ000251_20.0218.C7.o8.gs	Method	GENSCAN
Start	24536	End	25355
GI	none	Score	.97
Exons	24536..25355		

Seq. No.	33721	Seq. ID	OJ000251_20.0218.C7
Gene No.	69919	Strand	-
Start	1	End	1221
Name	OJ000251_20.0218.C7.o1.np	Method	AAT/NAP
Start	1	End	1221
GI	6721549	Score	212
Exons	1..103, 546..1221		
GI Descrip.	(AP001073) Similar to Disease resistance gene homolog 9N. (AF105140) [Oryza sativa]		

Seq. No.	33721	Seq. ID	OJ000251_20.0218.C7
Gene No.	69919	Strand	-
Start	1	End	1221
Name	OJ000251_20.0218.C7.o1.gs	Method	GENSCAN
Start	329	End	1185
GI	none	Score	.76
Exons	329..1185		

Seq. No.	33721	Seq. ID	OJ000251_20.0218.C7
Gene No.	69920	Strand	-
Start	1936	End	2826
Name	OJ000251_20.0218.C7.o1.tm	Method	TBLASTX:Maize
Start	787	End	1156
GI	none	Score	70
Exons	787..945, 787..1056, 953..1042, 1052..1156, 1054..1146		

Seq. No.	33721	Seq. ID	OJ000251_20.0218.C7

Gene No.	69920	Strand	-
Start	1936	End	2826
Name	OJ000251_20.0218.C7.o2.gs	Method	GENSCAN
Start	1936	End	2826
GI	none	Score	.5
Exons	1936..2349, 2534..2581, 2758..2826		

Seq. No.	33722	Seq. ID	OJ000251_20.0218.C8
Gene No.	69921	Strand	-
Start	544	End	1323
Name	OJ000251_20.0218.C8.o1.gs	Method	GENSCAN
Start	544	End	1323
GI	none	Score	.47
Exons	544..703, 784..1323		

Seq. No.	33723	Seq. ID	OJ000251_20.0218.C9
Gene No.	69922	Strand	+
Start	1474	End	1671
Name	OJ000251_20.0218.C9.o1.gs	Method	GENSCAN
Start	1474	End	1671
GI	none	Score	.76
Exons	1474..1671		

Seq. No.	33724	Seq. ID	OJ000251_20.0218.C10
Gene No.	69923	Strand	+
Start	1	End	710
Name	OJ000251_20.0218.C10.o1.np	Method	AAT/NAP
Start	1	End	691
GI	6002794	Score	225
Exons	1..28, 440..691		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	33724	Seq. ID	OJ000251_20.0218.C10
Gene No.	69923	Strand	+
Start	1	End	710
Name	OJ000251_20.0218.C10.o1.gs	Method	GENSCAN
Start	457	End	710
GI	none	Score	.53
Exons	457..710		

Seq. No.	33724	Seq. ID	OJ000251_20.0218.C10
Gene No.	69924	Strand	+
Start	2681	End	3397
Name	OJ000251_20.0218.C10.o2.gs	Method	GENSCAN
Start	2681	End	3397
GI	none	Score	.54
Exons	2681..3397		

Seq. No.	33724	Seq. ID	OJ000251_20.0218.C10
Gene No.	69925	Strand	+
Start	4197	End	6823
Name	OJ000251_20.0218.C10.o1.gp	Method	AAT/GAP
Start	4193	End	4696
GI	none	Score	721
Exons	4193..4547, 4665..4696		

Seq. No.	33724	Seq. ID	OJ000251_20.0218.C10

Gene No.	69925	Strand	+
Start	4197	End	6823
Name	OJ000251_20.0218.C10.o3.gs	Method	GENSCAN
Start	4197	End	6823
GI	none	Score	.56
Exons	4197..4547, 4575..4692, 4787..4876, 5002..5094, 5324..5450, 5728..5913, 6626..6729, 6756..6823		

Seq. No.	33724	Seq. ID	OJ000251_20.0218.C10
Gene No.	69926	Strand	-
Start	7754	End	10213
Name	OJ000251_20.0218.C10.o4.gs	Method	GENSCAN
Start	7754	End	10213
GI	none	Score	.64
Exons	7754..8125, 10032..10213		

Seq. No.	33725	Seq. ID	OJ000251_20.0218.C11
Gene No.	69927	Strand	+
Start	317	End	2268
Name	OJ000251_20.0218.C11.o1.gs	Method	GENSCAN
Start	317	End	2268
GI	none	Score	.47
Exons	317..362, 633..686, 815..969, 2206..2268		

Seq. No.	33725	Seq. ID	OJ000251_20.0218.C11
Gene No.	69928	Strand	+
Start	3447	End	4235
Name	OJ000251_20.0218.C11.o2.gs	Method	GENSCAN
Start	3447	End	4235
GI	none	Score	.99
Exons	3447..3504, 3898..4235		

Seq. No.	33725	Seq. ID	OJ000251_20.0218.C11
Gene No.	69929	Strand	+
Start	6488	End	8849
Name	OJ000251_20.0218.C11.o1.np	Method	AAT/NAP
Start	6488	End	8849
GI	5922634	Score	88
Exons	6488..6619, 8816..8849		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	33725	Seq. ID	OJ000251_20.0218.C11
Gene No.	69930	Strand	-
Start	7381	End	11328
Name	OJ000251_20.0218.C11.o1.tm	Method	TBLASTX:Maize
Start	3927	End	4169
GI	none	Score	59
Exons	3927..3980, 3966..4112, 3986..4096, 4113..4169		

Seq. No.	33725	Seq. ID	OJ000251_20.0218.C11
Gene No.	69930	Strand	-
Start	7381	End	11328
Name	OJ000251_20.0218.C11.o4.gs	Method	GENSCAN
Start	7381	End	11328
GI	none	Score	.66

Exons	7381..7739, 9314..9452, 11290..11328		
Seq. No.	33726	Seq. ID	OJ000251_20.0218.C12
Gene No.	69931	Strand	+
Start	14774	End	21711
Name	OJ000251_20.0218.C12.o5.gs	Method	GENSCAN
Start	14774	End	21711
GI	none	Score	.67
Exons	14774..15025, 16056..17240, 17349..17498, 17612..17792, 21599..21711		
Seq. No.	33726	Seq. ID	OJ000251_20.0218.C12
Gene No.	69931	Strand	+
Start	14774	End	21711
Name	OJ000251_20.0218.C12.o3.np	Method	AAT/NAP
Start	14798	End	18991
GI	6642651	Score	1578
Exons	14798..15025, 16056..17240, 17349..17498, 17612..17808, 18837..18991		
GI Descrip.	(AC012395) unknown protein [Arabidopsis thaliana]		
Seq. No.	33726	Seq. ID	OJ000251_20.0218.C12
Gene No.	69932	Strand	+
Start	23306	End	26913
Name	OJ000251_20.0218.C12.o6.gs	Method	GENSCAN
Start	23306	End	25543
GI	none	Score	.69
Exons	23306..23614, 23748..23843, 24446..24631, 24839..24991, 25508..25543		
Seq. No.	33726	Seq. ID	OJ000251_20.0218.C12
Gene No.	69932	Strand	+
Start	23306	End	26913
Name	OJ000251_20.0218.C12.o4.np	Method	AAT/NAP
Start	23315	End	26913
GI	4455302	Score	467
Exons	23315..23639, 23746..23843, 24527..24631, 24839..24991, 26296..26390, 26463..26595, 26887..26913		
GI Descrip.	(AL035528) putative protein [Arabidopsis thaliana]		
Seq. No.	33726	Seq. ID	OJ000251_20.0218.C12
Gene No.	69933	Strand	-
Start	118	End	7246
Name	OJ000251_20.0218.C12.o1.gs	Method	GENSCAN
Start	118	End	3505
GI	none	Score	.74
Exons	118..2269, 3455..3505		
Seq. No.	33726	Seq. ID	OJ000251_20.0218.C12
Gene No.	69933	Strand	-
Start	118	End	7246
Name	OJ000251_20.0218.C12.o1.np	Method	AAT/NAP
Start	1238	End	6637
GI	2792238	Score	626
Exons	1238..2254, 6212..6637		
GI Descrip.	(AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	33726	Seq. ID	OJ000251_20.0218.C12
Gene No.	69933	Strand	-
Start	118	End	7246
Name	OJ000251_20.0218.C12.o2.gs	Method	GENSCAN
Start	6194	End	7246
GI	none	Score	.94
Exons	6194..7246		

Seq. No.	33726	Seq. ID	OJ000251_20.0218.C12
Gene No.	69934	Strand	-
Start	7688	End	8697
Name	OJ000251_20.0218.C12.o3.gs	Method	GENSCAN
Start	7688	End	8697
GI	none	Score	.46
Exons	7688..7790, 7856..7969, 8330..8512, 8612..8697		

Seq. No.	33726	Seq. ID	OJ000251_20.0218.C12
Gene No.	69935	Strand	-
Start	10746	End	14475
Name	OJ000251_20.0218.C12.o4.ts	Method	TBLASTX:Soybean
Start	1802	End	2287
GI	none	Score	42
Exons	1802..1825, 1850..1927, 1931..2062, 1985..2065, 2105..2287, 2139..2201		

Seq. No.	33726	Seq. ID	OJ000251_20.0218.C12
Gene No.	69935	Strand	-
Start	10746	End	14475
Name	OJ000251_20.0218.C12.o2.tm	Method	TBLASTX:Maize
Start	1844	End	6616
GI	none	Score	85
Exons	1844..1918, 1886..2260, 1992..2201, 6218..6277, 6272..6454, 6404..6616		

Seq. No.	33726	Seq. ID	OJ000251_20.0218.C12
Gene No.	69935	Strand	-
Start	10746	End	14475
Name	OJ000251_20.0218.C12.o2.np	Method	AAT/NAP
Start	10746	End	14475
GI	6815052	Score	1489
Exons	10746..11468, 11505..11643, 12429..12521, 13389..13489, 13789..13906, 14174..14244, 14318..14475		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	33726	Seq. ID	OJ000251_20.0218.C12
Gene No.	69935	Strand	-
Start	10746	End	14475
Name	OJ000251_20.0218.C12.o1.tw	Method	TBLASTX:Wheat
Start	11713	End	12204
GI	none	Score	78
Exons	11713..12003, 11723..11965, 12021..12170, 12025..12165, 12025..12204		

Seq. No.	33726	Seq. ID	OJ000251_20.0218.C12
Gene No.	69935	Strand	-
Start	10746	End	14475
Name	OJ000251_20.0218.C12.o3.ts	Method	TBLASTX:Soybean

Start	11788	End	12159
GI	none	Score	69
Exons	11788..12012, 11791..12003, 12022..12159		

Seq. No.	33726	Seq. ID	OJ000251_20.0218.C12
Gene No.	69936	Strand	
Start	16062	End	16391
Name	OJ000251_20.0218.C12.o1.ts	Method	TBLASTX:Soybean
Start	16062	End	16391
GI	none	Score	460
Exons	16062..16391, 16067..16390		

Seq. No.	33726	Seq. ID	OJ000251_20.0218.C12
Gene No.	69937	Strand	
Start	17115	End	17787
Name	OJ000251_20.0218.C12.o2.tc	Method	TBLASTX:Cress
Start	17115	End	17787
GI	none	Score	103
Exons	17115..17240, 17329..17412, 17346..17456, 17346..17423, 17348..17428, 17602..17778, 17603..17749, 17607..17777, 17608..17787		

Seq. No.	33726	Seq. ID	OJ000251_20.0218.C12
Gene No.	69937	Strand	
Start	17115	End	17787
Name	OJ000251_20.0218.C12.o1.tm	Method	TBLASTX:Maize
Start	17388	End	17781
GI	none	Score	136
Exons	17388..17498, 17389..17508, 17390..17485, 17601..17777, 17603..17749, 17605..17781, 17610..17780, 17611..17781		

Seq. No.	33726	Seq. ID	OJ000251_20.0218.C12
Gene No.	69938	Strand	
Start	23745	End	26604
Name	OJ000251_20.0218.C12.o2.ts	Method	TBLASTX:Soybean
Start	23745	End	26583
GI	none	Score	84
Exons	23745..23810, 23745..23816, 24523..24630, 24524..24643, 24524..24631, 24911..24991, 24940..25005, 26281..26364, 26305..26376, 26465..26578, 26467..26583, 26487..26582		

Seq. No.	33726	Seq. ID	OJ000251_20.0218.C12
Gene No.	69938	Strand	
Start	23745	End	26604
Name	OJ000251_20.0218.C12.o3.tm	Method	TBLASTX:Maize
Start	23748	End	26604
GI	none	Score	69
Exons	23748..23810, 24524..24634, 24526..24633, 24904..25005, 24908..24991, 26281..26361, 26411..26575, 26446..26595, 26448..26600, 26464..26604		

Seq. No.	33726	Seq. ID	OJ000251_20.0218.C12
Gene No.	69938	Strand	
Start	23745	End	26604
Name	OJ000251_20.0218.C12.o1.tc	Method	TBLASTX:Cress
Start	24866	End	26601
GI	none	Score	105

Exons	24866..24991, 24925..25005, 26281..26376, 26311..26361, 26446..26598, 26463..26597, 26518..26601		
Seq. No.	33727	Seq. ID	OJ000251_20.0218.C13
Gene No.	69939	Strand	+
Start	1	End	1357
Name	OJ000251_20.0218.C13.o1.np	Method	AAT/NAP
Start	1	End	1345
GI	4455302	Score	511
Exons	1..40, 286..469, 982..1098, 1193..1345		
GI Descrip.	(AL035528) putative protein [Arabidopsis thaliana]		
Seq. No.	33727	Seq. ID	OJ000251_20.0218.C13
Gene No.	69939	Strand	+
Start	1	End	1357
Name	OJ000251_20.0218.C13.o1.gs	Method	GENSCAN
Start	337	End	1357
GI	none	Score	.9
Exons	337..469, 1163..1357		
Seq. No.	33727	Seq. ID	OJ000251_20.0218.C13
Gene No.	69940	Strand	+
Start	1426	End	1748
Name	OJ000251_20.0218.C13.o1.gp	Method	AAT/GAP
Start	1426	End	1748
GI	2312728	Score	611
Exons	1426..1748		
Seq. No.	33727	Seq. ID	OJ000251_20.0218.C13
Gene No.	69941	Strand	+
Start	2701	End	2966
Name	OJ000251_20.0218.C13.o2.gs	Method	GENSCAN
Start	2701	End	2966
GI	none	Score	.95
Exons	2701..2781, 2919..2966		
Seq. No.	33727	Seq. ID	OJ000251_20.0218.C13
Gene No.	69942	Strand	-
Start	3956	End	5008
Name	OJ000251_20.0218.C13.o3.gs	Method	GENSCAN
Start	3956	End	5008
GI	none	Score	.94
Exons	3956..5008		
Seq. No.	33727	Seq. ID	OJ000251_20.0218.C13
Gene No.	69943	Strand	-
Start	4933	End	5216
Name	OJ000251_20.0218.C13.o2.tm	Method	TBLASTX:Maize
Start	289	End	469
GI	none	Score	283
Exons	289..468, 290..469		
Seq. No.	33727	Seq. ID	OJ000251_20.0218.C13
Gene No.	69943	Strand	-
Start	4933	End	5216
Name	OJ000251_20.0218.C13.o1.ts	Method	TBLASTX:Soybean
Start	337	End	1339

GI	none	Score	150
Exons	337..471, 338..472, 979..1095, 980..1138, 981..1094, 1192..1254, 1193..1261, 1237..1329, 1250..1339		

Seq. No.	33727	Seq. ID	OJ000251_20.0218.C13
Gene No.	69943	Strand	-
Start	4933	End	5216
Name	OJ000251_20.0218.C13.o1.tc	Method	TBLASTX:Cress
Start	428	End	1375
GI	none	Score	82
Exons	428..472, 975..1100, 979..1095, 982..1113, 987..1100, 1192..1344, 1193..1375		

Seq. No.	33727	Seq. ID	OJ000251_20.0218.C13
Gene No.	69943	Strand	-
Start	4933	End	5216
Name	OJ000251_20.0218.C13.o1.tm	Method	TBLASTX:Maize
Start	979	End	1342
GI	none	Score	163
Exons	979..1095, 981..1094, 1192..1341, 1196..1342		

Seq. No.	33727	Seq. ID	OJ000251_20.0218.C13
Gene No.	69943	Strand	-
Start	4933	End	5216
Name	OJ000251_20.0218.C13.o2.np	Method	AAT/NAP
Start	4933	End	5216
GI	6721518	Score	81
Exons	4933..5216		
GI Descrip.	(AP001072) Similar to NBS-LRR-like protein cD7. (AF098970) [Oryza sativa]		

Seq. No.	33728	Seq. ID	OJ000251_20.0218.C15
Gene No.	69944	Strand	-
Start	20	End	649
Name	OJ000251_20.0218.C15.o1.np	Method	AAT/NAP
Start	20	End	649
GI	5103193	Score	1073
Exons	20..649		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi|5738084|gb|AAD50242.1|AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		

Seq. No.	33729	Seq. ID	OJ000251_20.0218.C16
Gene No.	69945	Strand	-
Start	128	End	435
Name	OJ000251_20.0218.C16.o1.np	Method	AAT/NAP
Start	128	End	435
GI	2792238	Score	126
Exons	128..435		
GI Descrip.	(AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	33730	Seq. ID	OJ000251_20.0218.C18
Gene No.	69946	Strand	+
Start	1	End	476
Name	OJ000251_20.0218.C18.o1.np	Method	AAT/NAP
Start	1	End	476
GI	6539553	Score	755

Exons	1..476		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	33730	Seq. ID	OJ000251_20.0218.C18
Gene No.	69946	Strand	+
Start	1	End	476
Name	OJ000251_20.0218.C18.o1.tm	Method	TBLASTX:Maize
Start	1	End	242
GI	none	Score	236
Exons	1..240, 6..242		
Seq. No.	33730	Seq. ID	OJ000251_20.0218.C18
Gene No.	69946	Strand	+
Start	1	End	476
Name	OJ000251_20.0218.C18.o1.tw	Method	TBLASTX:Wheat
Start	114	End	471
GI	none	Score	74
Exons	114..167, 115..189, 115..195, 205..471	204..464, 204..470,	205..471,
Seq. No.	33730	Seq. ID	OJ000251_20.0218.C18
Gene No.	69946	Strand	+
Start	1	End	476
Name	OJ000251_20.0218.C18.o1.ts	Method	TBLASTX:Soybean
Start	121	End	462
GI	none	Score	90
Exons	121..234, 147..227, 253..462,	258..383	
Seq. No.	33731	Seq. ID	OJ000251_20.0218.C19
Gene No.	69947	Strand	-
Start	624	End	1013
Name	OJ000251_20.0218.C19.o1.tc	Method	TBLASTX:Cress
Start	90	End	533
GI	none	Score	88
Exons	90..224, 246..368, 378..533		
Seq. No.	33731	Seq. ID	OJ000251_20.0218.C19
Gene No.	69947	Strand	-
Start	624	End	1013
Name	OJ000251_20.0218.C19.o1.gs	Method	GENSCAN
Start	624	End	1013
GI	none	Score	.86
Exons	624..1013		
Seq. No.	33732	Seq. ID	OJ000251_20.0218.C23
Gene No.	69948	Strand	-
Start	296	End	609
Name	OJ000251_20.0218.C23.o1.np	Method	AAT/NAP
Start	296	End	609
GI	728832	Score	406
Exons	296..609		
GI Descrip.	**** ALU SUBFAMILY SB WARNING ENTRY ****		
Seq. No.	33733	Seq. ID	OJ000251_20.0218.C24

Gene No.	69949	Strand	-
Start	312	End	365
Name	OJ000251_20.0218.C24.o1.gs	Method	GENSCAN
Start	312	End	365
GI	none	Score	.42
Exons	312..365		

Seq. No.	33734	Seq. ID	OJ000251_20.0218.C25
Gene No.	69950	Strand	+
Start	429	End	575
Name	OJ000251_20.0218.C25.o1.gs	Method	GENSCAN
Start	429	End	575
GI	none	Score	.68
Exons	429..575		

Seq. No.	33735	Seq. ID	OJ000251_20.0218.C26
Gene No.	69951	Strand	+
Start	27	End	373
Name	OJ000251_20.0218.C26.o1.gs	Method	GENSCAN
Start	27	End	373
GI	none	Score	.55
Exons	27..184, 242..373		

Seq. No.	33736	Seq. ID	OJ000251_20.0218.C27
Gene No.	69952	Strand	-
Start	154	End	618
Name	OJ000251_20.0218.C27.o1.gs	Method	GENSCAN
Start	154	End	618
GI	none	Score	.96
Exons	154..249, 383..487, 502..618		

Seq. No.	33737	Seq. ID	OJ000251_20.0218.C30
Gene No.	69953	Strand	-
Start	1	End	552
Name	OJ000251_20.0218.C30.o1.np	Method	AAT/NAP
Start	1	End	467
GI	4585884	Score	88
Exons	1..467		
GI Descrip.	(AC005850) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33737	Seq. ID	OJ000251_20.0218.C30
Gene No.	69953	Strand	-
Start	1	End	552
Name	OJ000251_20.0218.C30.o1.gs	Method	GENSCAN
Start	54	End	552
GI	none	Score	.48
Exons	54..228, 548..552		

Seq. No.	33738	Seq. ID	OJ000251_20.0218.C32
Gene No.	69954	Strand	+
Start	1	End	645
Name	OJ000251_20.0218.C32.o1.np	Method	AAT/NAP
Start	1	End	645
GI	6642651	Score	311
Exons	1..293, 402..645		
GI Descrip.	(AC012395) unknown protein [Arabidopsis thaliana]		

Seq. No.	33738	Seq. ID	OJ000251_20.0218.C32
Gene No.	69954	Strand	+
Start	1	End	645
Name	OJ000251_20.0218.C32.o1.gs	Method	GENSCAN
Start	131	End	551
GI	none	Score	.5
Exons	131..293, 402..551		

Seq. No.	33738	Seq. ID	OJ000251_20.0218.C32
Gene No.	69954	Strand	+
Start	1	End	645
Name	OJ000251_20.0218.C32.o1.tc	Method	TBLASTX:Cress
Start	168	End	509
GI	none	Score	103
Exons	168..293, 382..465, 399..509,	399..476,	401..481

Seq. No.	33739	Seq. ID	OJ000251_20.0218.C36
Gene No.	69955	Strand	+
Start	55	End	167
Name	OJ000251_20.0218.C36.o1.gs	Method	GENSCAN
Start	55	End	167
GI	none	Score	.72
Exons	55..167		

Seq. No.	33740	Seq. ID	OJ000251_21.0218.C1
Gene No.	69956	Strand	+
Start	1	End	1145
Name	OJ000251_21.0218.C1.o1.np	Method	AAT/NAP
Start	1	End	1145
GI	4680203	Score	851
Exons	1..26, 349..1145		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33740	Seq. ID	OJ000251_21.0218.C1
Gene No.	69956	Strand	+
Start	1	End	1145
Name	OJ000251_21.0218.C1.o1.gs	Method	GENSCAN
Start	337	End	1110
GI	none	Score	.65
Exons	337..697, 797..1110		

Seq. No.	33740	Seq. ID	OJ000251_21.0218.C1
Gene No.	69956	Strand	+
Start	1	End	1145
Name	OJ000251_21.0218.C1.o1.tw	Method	TBLASTX:Wheat
Start	643	End	1044
GI	none	Score	92
Exons	643..795, 680..781, 778..1029, 786..1028, 787..1044, 789..1031, 797..1039		

Seq. No.	33740	Seq. ID	OJ000251_21.0218.C1
Gene No.	69956	Strand	+
Start	1	End	1145
Name	OJ000251_21.0218.C1.o1.ts	Method	TBLASTX:Soybean
Start	811	End	1101
GI	none	Score	225
Exons	811..1029, 819..1025, 1036..1101		

Seq. No.	33741	Seq. ID	OJ000251_21.0218.C2
Gene No.	69957	Strand	+
Start	1	End	841
Name	OJ000251_21.0218.C2.o1.gp	Method	AAT/GAP
Start	1	End	277
GI	342_1.R1084	Score	455
Exons	1..277		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	33741	Seq. ID	OJ000251_21.0218.C2
Gene No.	69957	Strand	+
Start	1	End	841
Name	OJ000251_21.0218.C2.o1.np	Method	AAT/NAP
Start	1	End	331
GI	4680203	Score	384
Exons	1..331		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33741	Seq. ID	OJ000251_21.0218.C2
Gene No.	69957	Strand	+
Start	1	End	841
Name	OJ000251_21.0218.C2.o1.gs	Method	GENSCAN
Start	8	End	841
GI	none	Score	.92
Exons	8..313, 389..841		

Seq. No.	33741	Seq. ID	OJ000251_21.0218.C2
Gene No.	69958	Strand	+
Start	2271	End	5888
Name	OJ000251_21.0218.C2.o2.np	Method	AAT/NAP
Start	2256	End	4247
GI	4680204	Score	809
Exons	2256..3668, 3760..4247		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	33741	Seq. ID	OJ000251_21.0218.C2
Gene No.	69958	Strand	+
Start	2271	End	5888
Name	OJ000251_21.0218.C2.o4.np	Method	AAT/NAP
Start	2256	End	5879
GI	4680204	Score	879
Exons	2256..3668, 3760..4775, 4864..5037, 5131..5266, 5660..5879		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	33741	Seq. ID	OJ000251_21.0218.C2
Gene No.	69958	Strand	+
Start	2271	End	5888
Name	OJ000251_21.0218.C2.o2.gs	Method	GENSCAN
Start	2271	End	5888
GI	none	Score	.89
Exons	2271..3668, 3739..3901, 4052..4775, 4864..5037, 5131..5241, 5343..5415, 5511..5609, 5709..5888		

Seq. No.	33741	Seq. ID	OJ000251_21.0218.C2
Gene No.	69959	Strand	+

Start	6965	End	7458
Name	OJ000251_21.0218.C2.o3.gp	Method	AAT/GAP
Start	6965	End	7458
GI	576771	Score	824
Exons	6965..7221, 7248..7458		
GI Descrip.	576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		

Seq. No.	33741	Seq. ID	OJ000251_21.0218.C2
Gene No.	69960	Strand	+
Start	18630	End	18907
Name	OJ000251_21.0218.C2.o5.np	Method	AAT/NAP
Start	18630	End	18907
GI	6573719	Score	154
Exons	18630..18907		
GI Descrip.	(AC009978) T23E18.18 [Arabidopsis thaliana]		

Seq. No.	33741	Seq. ID	OJ000251_21.0218.C2
Gene No.	69961	Strand	+
Start	20958	End	21497
Name	OJ000251_21.0218.C2.o6.gs	Method	GENSCAN
Start	20958	End	21497
GI	none	Score	52
Exons	20958..21497		

Seq. No.	33741	Seq. ID	OJ000251_21.0218.C2
Gene No.	69962	Strand	-
Start	6087	End	6193
Name	OJ000251_21.0218.C2.o2.gp	Method	AAT/GAP
Start	6087	End	6193
GI	LIB3477-003-P1-K1-E9	Score	151
Exons	6087..6193		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	33741	Seq. ID	OJ000251_21.0218.C2
Gene No.	69963	Strand	-
Start	6843	End	8504
Name	OJ000251_21.0218.C2.o3.gs	Method	GENSCAN
Start	6843	End	8504
GI	none	Score	48
Exons	6843..6910, 8462..8504		

Seq. No.	33741	Seq. ID	OJ000251_21.0218.C2
Gene No.	69964	Strand	-
Start	18615	End	22739
Name	OJ000251_21.0218.C2.o6.np	Method	AAT/NAP
Start	18615	End	22451
GI	6942018	Score	81
Exons	18615..18726, 21150..21266, 22185..22451		
GI Descrip.	(AF216581) AP2/EREBP-like transcription factor LEAFY PETIOLE [Arabidopsis thaliana]		

Seq. No.	33741	Seq. ID	OJ000251_21.0218.C2
Gene No.	69964	Strand	-
Start	18615	End	22739

Name	OJ000251_21.0218.C2.o7.gs	Method	GENSCAN
Start	21801	End	22739
GI	none	Score	.99
Exons	21801..22739		

Seq. No.	33741	Seq. ID	OJ000251_21.0218.C2
Gene No.	69965	Strand	-
Start	22969	End	25377
Name	OJ000251_21.0218.C2.o1.tw	Method	TBLASTX:Wheat
Start	1	End	275
GI	none	Score	38
Exons	1..30, 2..43, 6..29, 47..145, 147..275, 148..270	52..144,	55..147, 125..271,

Seq. No.	33741	Seq. ID	OJ000251_21.0218.C2
Gene No.	69965	Strand	-
Start	22969	End	25377
Name	OJ000251_21.0218.C2.o1.tm	Method	TBLASTX:Maize
Start	7	End	271
GI	none	Score	205
Exons	7..183, 8..184, 194..271		

Seq. No.	33741	Seq. ID	OJ000251_21.0218.C2
Gene No.	69965	Strand	-
Start	22969	End	25377
Name	OJ000251_21.0218.C2.o2.tw	Method	TBLASTX:Wheat
Start	2877	End	3278
GI	none	Score	216
Exons	2877..3113, 2877..3071, 2978..3121, 3108..3278, 3161..3277		

Seq. No.	33741	Seq. ID	OJ000251_21.0218.C2
Gene No.	69965	Strand	-
Start	22969	End	25377
Name	OJ000251_21.0218.C2.o4.tw	Method	TBLASTX:Wheat
Start	3279	End	3972
GI	none	Score	60
Exons	3279..3359, 3381..3542, 3600..3671, 3754..3972		

Seq. No.	33741	Seq. ID	OJ000251_21.0218.C2
Gene No.	69965	Strand	-
Start	22969	End	25377
Name	OJ000251_21.0218.C2.o3.tw	Method	TBLASTX:Wheat
Start	4551	End	5209
GI	none	Score	57
Exons	4551..4619, 4552..4617, 4850..5050, 4862..5047, 5128..5202, 5129..5209		

Seq. No.	33741	Seq. ID	OJ000251_21.0218.C2
Gene No.	69965	Strand	-
Start	22969	End	25377
Name	OJ000251_21.0218.C2.o7.np	Method	AAT/NAP
Start	22969	End	25377
GI	5596677	Score	54
Exons	22969..23003, 24037..24313, 25324..25377		
GI Descrip.	(X94581) ORF [Dioscorea alata bacilliform virus]		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3

Gene No.	69966	Strand	+
Start	4825	End	14176
Name	OJ000251_21.0218.C3.o2.gs	Method	GENSCAN
Start	4825	End	14176
GI	none	Score	.75
Exons	4825..5022, 6719..6940, 7834..7865, 8327..8462, 8547..8717, 8869..9100, 12138..12239, 13282..13544, 13826..14176		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69967	Strand	+
Start	23214	End	25269
Name	OJ000251_21.0218.C3.o5.gs	Method	GENSCAN
Start	23214	End	25269
GI	none	Score	.79
Exons	23214..23235, 24065..24193, 24961..25061, 25069..25269		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69968	Strand	+
Start	25947	End	26094
Name	OJ000251_21.0218.C3.o3.gp	Method	AAT/GAP
Start	25947	End	26094
GI	uC-osflcyp177g01a1	Score	241
Exons	25947..26094		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69969	Strand	+
Start	27397	End	30337
Name	OJ000251_21.0218.C3.o3.np	Method	AAT/NAP
Start	27397	End	30334
GI	6691716	Score	2291
Exons	27397..28281, 28479..28654, 28736..29003, 29180..29374, 29450..29561, 29712..29816, 29889..30334		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69969	Strand	+
Start	27397	End	30337
Name	OJ000251_21.0218.C3.o6.gs	Method	GENSCAN
Start	27397	End	30337
GI	none	Score	.74
Exons	27397..27526, 27947..28281, 28368..29067, 29187..29374, 29450..29639, 29712..29816, 29889..30337		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69970	Strand	-
Start	3089	End	4149
Name	OJ000251_21.0218.C3.o1.gs	Method	GENSCAN
Start	3089	End	4149
GI	none	Score	.9
Exons	3089..3736, 3847..4149		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69971	Strand	-

Start	11202	End	20453
Name	OJ000251_21.0218.C3.o1.np	Method	AAT/NAP
Start	11202	End	19174
GI	6523547	Score	267
Exons	11202..11229, 11607..11951, 12010..12084, 12144..12236, 14786..15027, 19071..19174		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69971	Strand	-
Start	11202	End	20453
Name	OJ000251_21.0218.C3.o3.gs	Method	GENSCAN
Start	16005	End	20453
GI	none	Score	.91
Exons	16005..16466, 16602..17207, 17906..17981, 18026..18200, 20165..20453		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69972	Strand	-
Start	21887	End	22342
Name	OJ000251_21.0218.C3.o4.gs	Method	GENSCAN
Start	21887	End	22342
GI	none	Score	.67
Exons	21887..22122, 22288..22342		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69973	Strand	-
Start	30658	End	33753
Name	OJ000251_21.0218.C3.o4.np	Method	AAT/NAP
Start	30658	End	33753
GI	5902445	Score	5334
Exons	30658..33753		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69974	Strand	-
Start	33820	End	34555
Name	OJ000251_21.0218.C3.o4.tm	Method	TBLASTX:Maize
Start	4145	End	6599
GI	none	Score	69
Exons	4145..4231, 4148..4231, 4250..4321, 4261..4317, 4822..4989, 4825..5025, 4830..5027, 5998..6072, 6502..6597, 6510..6599		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69974	Strand	-
Start	33820	End	34555
Name	OJ000251_21.0218.C3.o6.tm	Method	TBLASTX:Maize
Start	6710	End	6937
GI	none	Score	233
Exons	6710..6937, 6713..6853, 6715..6936		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69974	Strand	-
Start	33820	End	34555
Name	OJ000251_21.0218.C3.o7.tm	Method	TBLASTX:Maize
Start	8547	End	8999

GI	none	Score	198
Exons	8547..8720, 8549..8719, 8679..8720, 8867..8998, 8868..8996, 8868..8999, 8869..8997		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69974	Strand	-
Start	33820	End	34555
Name	OJ000251_21.0218.C3.o8.tw	Method	TBLASTX:Wheat
Start	27517	End	27807
GI	none	Score	208
Exons	27517..27807		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69974	Strand	-
Start	33820	End	34555
Name	OJ000251_21.0218.C3.o5.tw	Method	TBLASTX:Wheat
Start	30667	End	31281
GI	none	Score	62
Exons	30667..30804, 30671..30793, 30790..30948, 31003..31281, 31019..31120		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69974	Strand	-
Start	33820	End	34555
Name	OJ000251_21.0218.C3.o5.tm	Method	TBLASTX:Maize
Start	30706	End	30939
GI	none	Score	102
Exons	30706..30807, 30707..30808, 30787..30939, 30788..30838		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69974	Strand	-
Start	33820	End	34555
Name	OJ000251_21.0218.C3.o9.tm	Method	TBLASTX:Maize
Start	31051	End	31324
GI	none	Score	63
Exons	31051..31137, 31147..31230, 31148..31234, 31225..31323, 31226..31324		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69974	Strand	-
Start	33820	End	34555
Name	OJ000251_21.0218.C3.o3.tw	Method	TBLASTX:Wheat
Start	31396	End	31783
GI	none	Score	108
Exons	31396..31581, 31396..31782, 31472..31783		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69974	Strand	-
Start	33820	End	34555
Name	OJ000251_21.0218.C3.o1.tm	Method	TBLASTX:Maize
Start	31426	End	31788
GI	none	Score	67
Exons	31426..31473, 31427..31474, 31454..31768, 31465..31788, 31478..31768		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69974	Strand	-

Start	33820	End	34555
Name	OJ000251_21.0218.C3.o9.tw	Method	TBLASTX:Wheat
Start	31786	End	32085
GI	none	Score	134
Exons	31786..31926, 31951..32085		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69974	Strand	-
Start	33820	End	34555
Name	OJ000251_21.0218.C3.o4.tw	Method	TBLASTX:Wheat
Start	32101	End	32523
GI	none	Score	268
Exons	32101..32523, 32111..32515		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69974	Strand	-
Start	33820	End	34555
Name	OJ000251_21.0218.C3.o2.ts	Method	TBLASTX:Soybean
Start	32144	End	32532
GI	none	Score	163
Exons	32144..32524, 32146..32388, 32428..32532		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69974	Strand	-
Start	33820	End	34555
Name	OJ000251_21.0218.C3.o8.tm	Method	TBLASTX:Maize
Start	32197	End	32470
GI	none	Score	60
Exons	32197..32295, 32198..32263, 32299..32469, 32300..32470		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69974	Strand	-
Start	33820	End	34555
Name	OJ000251_21.0218.C3.o7.tw	Method	TBLASTX:Wheat
Start	32525	End	32809
GI	none	Score	126
Exons	32525..32809, 32527..32808		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69974	Strand	-
Start	33820	End	34555
Name	OJ000251_21.0218.C3.o3.tm	Method	TBLASTX:Maize
Start	32647	End	33091
GI	none	Score	87
Exons	32647..32673, 32671..32814, 32684..32815, 32836..33090, 32837..33091		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69974	Strand	-
Start	33820	End	34555
Name	OJ000251_21.0218.C3.o1.ts	Method	TBLASTX:Soybean
Start	32758	End	33159
GI	none	Score	58
Exons	32758..33159, 32792..32962, 32999..33142		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69974	Strand	-

Start	33820	End	34555
Name	OJ000251_21.0218.C3.o2.tw	Method	TBLASTX:Wheat
Start	32813	End	33237
GI	none	Score	294
Exons	32813..33193, 32818..33237		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69974	Strand	-
Start	33820	End	34555
Name	OJ000251_21.0218.C3.o2.tm	Method	TBLASTX:Maize
Start	33322	End	33678
GI	none	Score	97
Exons	33322..33615, 33322..33678, 33332..33637		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69974	Strand	-
Start	33820	End	34555
Name	OJ000251_21.0218.C3.o1.tw	Method	TBLASTX:Wheat
Start	33352	End	33808
GI	none	Score	270
Exons	33352..33807, 33353..33808		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69974	Strand	-
Start	33820	End	34555
Name	OJ000251_21.0218.C3.o3.ts	Method	TBLASTX:Soybean
Start	33403	End	33768
GI	none	Score	138
Exons	33403..33537, 33544..33768		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69974	Strand	-
Start	33820	End	34555
Name	OJ000251_21.0218.C3.o5.np	Method	AAT/NAP
Start	33820	End	34555
GI	5902444	Score	917
Exons	33820..34555		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	33742	Seq. ID	OJ000251_21.0218.C3
Gene No.	69974	Strand	-
Start	33820	End	34555
Name	OJ000251_21.0218.C3.o6.tw	Method	TBLASTX:Wheat
Start	34051	End	34390
GI	none	Score	183
Exons	34051..34389, 34070..34390		

Seq. No.	33743	Seq. ID	OJ000251_23.0216.C1
Gene No.	69975	Strand	+
Start	146	End	467
Name	OJ000251_23.0216.C1.o1.gp	Method	AAT/GAP
Start	146	End	467
GI	none	Score	585
Exons	146..467		

Seq. No.	33743	Seq. ID	OJ000251_23.0216.C1
Gene No.	69976	Strand	-

Start	162	End	579
Name	OJ000251_23.0216.C1.o1.gs	Method	GENSCAN
Start	162	End	579
GI	none	Score	.58
Exons	162..273, 473..579		

Seq. No.	33744	Seq. ID	OJ000251_23.0216.C5
Gene No.	69977	Strand	+
Start	316	End	691
Name	OJ000251_23.0216.C5.o1.gp	Method	AAT/GAP
Start	316	End	691
GI	3761795	Score	480
Exons	316..518, 645..691		

Seq. No.	33744	Seq. ID	OJ000251_23.0216.C5
Gene No.	69977	Strand	+
Start	316	End	691
Name	OJ000251_23.0216.C5.o1.tm	Method	TBLASTX:Maize
Start	350	End	691
GI	none	Score	213
Exons	350..520, 354..518, 546..608, 614..691, 645..689		

Seq. No.	33744	Seq. ID	OJ000251_23.0216.C5
Gene No.	69977	Strand	+
Start	316	End	691
Name	OJ000251_23.0216.C5.o1.gs	Method	GENSCAN
Start	402	End	668
GI	none	Score	.58
Exons	402..518, 542..668		

Seq. No.	33745	Seq. ID	OJ000251_23.0216.C6
Gene No.	69978	Strand	-
Start	262	End	542
Name	OJ000251_23.0216.C6.o1.gs	Method	GENSCAN
Start	262	End	542
GI	none	Score	.96
Exons	262..542		

Seq. No.	33745	Seq. ID	OJ000251_23.0216.C6
Gene No.	69978	Strand	-
Start	262	End	542
Name	OJ000251_23.0216.C6.o1.tm	Method	TBLASTX:Maize
Start	270	End	444
GI	none	Score	80
Exons	270..428, 271..438, 271..444		

Seq. No.	33746	Seq. ID	OJ000251_23.0216.C7
Gene No.	69979	Strand	+
Start	1	End	722
Name	OJ000251_23.0216.C7.o1.np	Method	AAT/NAP
Start	1	End	722
GI	6630685	Score	916
Exons	1..722		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	33746	Seq. ID	OJ000251_23.0216.C7

Gene No.	69979	Strand	+
Start	1	End	722
Name	OJ000251_23.0216.C7.o1.tw	Method	TBLASTX:Wheat
Start	30	End	474
GI	none	Score	131
Exons	30..131, 31..150, 162..188, 163..189, 190..474, 288..473		

Seq. No.	33746	Seq. ID	OJ000251_23.0216.C7
Gene No.	69979	Strand	+
Start	1	End	722
Name	OJ000251_23.0216.C7.o1.tm	Method	TBLASTX:Maize
Start	46	End	576
GI	none	Score	667
Exons	46..576, 46..222, 48..575		

Seq. No.	33746	Seq. ID	OJ000251_23.0216.C7
Gene No.	69979	Strand	+
Start	1	End	722
Name	OJ000251_23.0216.C7.o1.gs	Method	GENSCAN
Start	82	End	577
GI	none	Score	.68
Exons	82..226, 266..577		

Seq. No.	33746	Seq. ID	OJ000251_23.0216.C7
Gene No.	69979	Strand	+
Start	1	End	722
Name	OJ000251_23.0216.C7.o1.ts	Method	TBLASTX:Soybean
Start	319	End	630
GI	none	Score	228
Exons	319..630, 345..524, 555..623		

Seq. No.	33747	Seq. ID	OJ000251_23.0216.C8
Gene No.	69980	Strand	+
Start	1	End	1687
Name	OJ000251_23.0216.C8.o1.np	Method	AAT/NAP
Start	1	End	1684
GI	6630685	Score	2454
Exons	1..1684		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	33747	Seq. ID	OJ000251_23.0216.C8
Gene No.	69980	Strand	+
Start	1	End	1687
Name	OJ000251_23.0216.C8.o3.tm	Method	TBLASTX:Maize
Start	11	End	316
GI	none	Score	419
Exons	11..316, 25..315		

Seq. No.	33747	Seq. ID	OJ000251_23.0216.C8
Gene No.	69980	Strand	+
Start	1	End	1687
Name	OJ000251_23.0216.C8.o1.ts	Method	TBLASTX:Soybean
Start	49	End	657
GI	5509260	Score	223
Exons	49..270, 50..268, 50..280, 274..657, 275..655		
GI Descrip.	-		

Seq. No.	33747	Seq. ID	OJ000251_23.0216.C8
Gene No.	69980	Strand	+
Start	1	End	1687
Name	OJ000251_23.0216.C8.o1.tw	Method	TBLASTX:Wheat
Start	185	End	649
GI	none	Score	94
Exons	185..268, 296..643, 298..630, 299..649		

Seq. No.	33747	Seq. ID	OJ000251_23.0216.C8
Gene No.	69980	Strand	+
Start	1	End	1687
Name	OJ000251_23.0216.C8.o1.gs	Method	GENSCAN
Start	200	End	1687
GI	none	Score	.79
Exons	200..1687		

Seq. No.	33747	Seq. ID	OJ000251_23.0216.C8
Gene No.	69980	Strand	+
Start	1	End	1687
Name	OJ000251_23.0216.C8.o1.tc	Method	TBLASTX:Cress
Start	257	End	538
GI	none	Score	215
Exons	257..538, 262..411		

Seq. No.	33747	Seq. ID	OJ000251_23.0216.C8
Gene No.	69980	Strand	+
Start	1	End	1687
Name	OJ000251_23.0216.C8.o2.tm	Method	TBLASTX:Maize
Start	317	End	784
GI	none	Score	660
Exons	317..784, 319..783		

Seq. No.	33747	Seq. ID	OJ000251_23.0216.C8
Gene No.	69980	Strand	+
Start	1	End	1687
Name	OJ000251_23.0216.C8.o4.tm	Method	TBLASTX:Maize
Start	806	End	1009
GI	none	Score	251
Exons	806..1009, 826..1008		

Seq. No.	33747	Seq. ID	OJ000251_23.0216.C8
Gene No.	69980	Strand	+
Start	1	End	1687
Name	OJ000251_23.0216.C8.o1.tm	Method	TBLASTX:Maize
Start	1010	End	1687
GI	none	Score	991
Exons	1010..1681, 1018..1620, 1019..1687		

Seq. No.	33747	Seq. ID	OJ000251_23.0216.C8
Gene No.	69980	Strand	+
Start	1	End	1687
Name	OJ000251_23.0216.C8.o2.ts	Method	TBLASTX:Soybean
Start	1028	End	1669
GI	none	Score	288
Exons	1028..1426, 1237..1416, 1436..1669		

Seq. No.	33747	Seq. ID	OJ000251_23.0216.C8
Gene No.	69980	Strand	+
Start	1	End	1687
Name	OJ000251_23.0216.C8.o2.tw	Method	TBLASTX:Wheat
Start	1166	End	1621
GI	none	Score	118
Exons	1166..1423, 1321..1422, 1445..1621, 1504..1620		

Seq. No.	33747	Seq. ID	OJ000251_23.0216.C8
Gene No.	69980	Strand	+
Start	1	End	1687
Name	OJ000251_23.0216.C8.o2.tc	Method	TBLASTX:Cress
Start	1208	End	1666
GI	none	Score	68
Exons	1208..1297, 1295..1435, 1447..1614, 1454..1666		

Seq. No.	33748	Seq. ID	OJ000251_23.0216.C9
Gene No.	69981	Strand	+
Start	687	End	2311
Name	OJ000251_23.0216.C9.o1.gs	Method	GENSCAN
Start	687	End	2311
GI	none	Score	.56
Exons	687..1334, 1639..1771, 1869..2311		

Seq. No.	33748	Seq. ID	OJ000251_23.0216.C9
Gene No.	69982	Strand	+
Start	3015	End	6448
Name	OJ000251_23.0216.C9.o2.gs	Method	GENSCAN
Start	3015	End	6448
GI	none	Score	.64
Exons	3015..3076, 4156..4233, 4645..4679, 5833..5987, 6098..6448		

Seq. No.	33748	Seq. ID	OJ000251_23.0216.C9
Gene No.	69983	Strand	+
Start	7492	End	9912
Name	OJ000251_23.0216.C9.o1.np	Method	AAT/NAP
Start	7492	End	9912
GI	3377822	Score	164
Exons	7492..7545, 8485..8904, 9464..9578, 9841..9912		
GI Descrip.	(AF076275) contains similarity to Caenorhabditis elegans MEL-26 (GB:U67737) [Arabidopsis thaliana]		

Seq. No.	33748	Seq. ID	OJ000251_23.0216.C9
Gene No.	69983	Strand	+
Start	7492	End	9912
Name	OJ000251_23.0216.C9.o3.gs	Method	GENSCAN
Start	8637	End	9030
GI	none	Score	.92
Exons	8637..8900, 8992..9030		

Seq. No.	33748	Seq. ID	OJ000251_23.0216.C9
Gene No.	69984	Strand	-
Start	8547	End	8845
Name	OJ000251_23.0216.C9.o1.gp	Method	AAT/GAP
Start	8547	End	8845
GI	42396_1.R1084	Score	481
Exons	8547..8845		

GI Descrip. '3377822 4.0e-11 (AF076275) contains similarity to Caenorhabditis elegans MEL-26 (GB:U67737) [Arabidopsis thaliana]'

Seq. No.	33749	Seq. ID	OJ000251_23.0216.C10
Gene No.	69985	Strand	+
Start	760	End	2755
Name	OJ000251_23.0216.C10.o1.np	Method	AAT/NAP
Start	760	End	2755
GI	3377822	Score	517
Exons	760..796, 2278..2755		
GI Descrip.	(AF076275) contains similarity to Caenorhabditis elegans MEL-26 (GB:U67737) [Arabidopsis thaliana]		

Seq. No.	33749	Seq. ID	OJ000251_23.0216.C10
Gene No.	69986	Strand	-
Start	2288	End	2926
Name	OJ000251_23.0216.C10.o1.gp	Method	AAT/GAP
Start	2288	End	2926
GI	18452_1.R1084	Score	1224
Exons	2288..2926		
GI Descrip.	'3377822 5.0e-56 (AF076275) contains similarity to Caenorhabditis elegans MEL-26 (GB:U67737) [Arabidopsis thaliana]'		

Seq. No.	33749	Seq. ID	OJ000251_23.0216.C10
Gene No.	69987	Strand	-
Start	4272	End	12987
Name	OJ000251_23.0216.C10.o1.tm	Method	TBLASTX:Maize
Start	2288	End	2782
GI	none	Score	687
Exons	2288..2782, 2288..2779		

Seq. No.	33749	Seq. ID	OJ000251_23.0216.C10
Gene No.	69987	Strand	-
Start	4272	End	12987
Name	OJ000251_23.0216.C10.o3.ts	Method	TBLASTX:Soybean
Start	2438	End	2725
GI	none	Score	271
Exons	2438..2725, 2440..2619, 2468..2722		

Seq. No.	33749	Seq. ID	OJ000251_23.0216.C10
Gene No.	69987	Strand	-
Start	4272	End	12987
Name	OJ000251_23.0216.C10.o2.gs	Method	GENSCAN
Start	4272	End	11549
GI	none	Score	.74
Exons	4272..5170, 5247..5319, 6784..7431, 8508..8687, 8964..9178, 9344..9552, 10041..10569, 10736..10942, 10967..11357, 11481..11549		

Seq. No.	33749	Seq. ID	OJ000251_23.0216.C10
Gene No.	69987	Strand	-
Start	4272	End	12987
Name	OJ000251_23.0216.C10.o2.np	Method	AAT/NAP
Start	9084	End	12987
GI	6705984	Score	3687

Exons	9084..10538, 10621..11434, 11960..12987		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		
Seq. No.	33749	Seq. ID	OJ000251_23.0216.C10
Gene No.	69987	Strand	-
Start	4272	End	12987
Name	OJ000251_23.0216.C10.o5.tm	Method	TBLASTX:Maize
Start	9226	End	9498
GI	none	Score	169
Exons	9226..9498, 9228..9497		
Seq. No.	33749	Seq. ID	OJ000251_23.0216.C10
Gene No.	69987	Strand	-
Start	4272	End	12987
Name	OJ000251_23.0216.C10.o2.tw	Method	TBLASTX:Wheat
Start	9255	End	9665
GI	none	Score	57
Exons	9255..9389, 9267..9665, 9268..9663		
Seq. No.	33749	Seq. ID	OJ000251_23.0216.C10
Gene No.	69987	Strand	-
Start	4272	End	12987
Name	OJ000251_23.0216.C10.o7.tm	Method	TBLASTX:Maize
Start	9504	End	9803
GI	none	Score	193
Exons	9504..9803		
Seq. No.	33749	Seq. ID	OJ000251_23.0216.C10
Gene No.	69987	Strand	-
Start	4272	End	12987
Name	OJ000251_23.0216.C10.o3.tw	Method	TBLASTX:Wheat
Start	9731	End	10022
GI	none	Score	124
Exons	9731..10012, 9735..10016, 9735..10022, 9736..10020		
Seq. No.	33749	Seq. ID	OJ000251_23.0216.C10
Gene No.	69987	Strand	-
Start	4272	End	12987
Name	OJ000251_23.0216.C10.o2.tm	Method	TBLASTX:Maize
Start	9804	End	10145
GI	none	Score	181
Exons	9804..10022, 9805..10026, 10019..10144, 10023..10145		
Seq. No.	33749	Seq. ID	OJ000251_23.0216.C10
Gene No.	69987	Strand	-
Start	4272	End	12987
Name	OJ000251_23.0216.C10.o1.tc	Method	TBLASTX:Cress
Start	9867	End	10237
GI	none	Score	147
Exons	9867..10022, 9868..10008, 9870..10022, 10028..10237, 10029..10229		
Seq. No.	33749	Seq. ID	OJ000251_23.0216.C10
Gene No.	69987	Strand	-
Start	4272	End	12987
Name	OJ000251_23.0216.C10.o1.tw	Method	TBLASTX:Wheat
Start	10178	End	10686

GI	none	Score	279
Exons	10178..10579, 10179..10601, 10578..10685, 10579..10686		

Seq. No.	33749	Seq. ID	OJ000251_23.0216.C10
Gene No.	69987	Strand	-
Start	4272	End	12987
Name	OJ000251_23.0216.C10.o5.ts	Method	TBLASTX:Soybean
Start	10187	End	10430
GI	none	Score	36
Exons	10187..10237, 10188..10229, 10262..10429, 10320..10430		

Seq. No.	33749	Seq. ID	OJ000251_23.0216.C10
Gene No.	69987	Strand	-
Start	4272	End	12987
Name	OJ000251_23.0216.C10.o2.ts	Method	TBLASTX:Soybean
Start	10526	End	10862
GI	none	Score	97
Exons	10526..10579, 10606..10725, 10611..10862, 10620..10811, 10774..10812		

Seq. No.	33749	Seq. ID	OJ000251_23.0216.C10
Gene No.	69987	Strand	-
Start	4272	End	12987
Name	OJ000251_23.0216.C10.o3.tm	Method	TBLASTX:Maize
Start	10623	End	11123
GI	none	Score	135
Exons	10623..11123, 10774..11085		

Seq. No.	33749	Seq. ID	OJ000251_23.0216.C10
Gene No.	69987	Strand	-
Start	4272	End	12987
Name	OJ000251_23.0216.C10.o5.tw	Method	TBLASTX:Wheat
Start	10773	End	11136
GI	none	Score	106
Exons	10773..11135, 10858..11136		

Seq. No.	33749	Seq. ID	OJ000251_23.0216.C10
Gene No.	69987	Strand	-
Start	4272	End	12987
Name	OJ000251_23.0216.C10.o1.ts	Method	TBLASTX:Soybean
Start	10887	End	11246
GI	none	Score	115
Exons	10887..11246, 10921..11163		

Seq. No.	33749	Seq. ID	OJ000251_23.0216.C10
Gene No.	69987	Strand	-
Start	4272	End	12987
Name	OJ000251_23.0216.C10.o6.tw	Method	TBLASTX:Wheat
Start	11148	End	11426
GI	none	Score	61
Exons	11148..11348, 11154..11318, 11227..11349, 11349..11426		

Seq. No.	33749	Seq. ID	OJ000251_23.0216.C10
Gene No.	69987	Strand	-
Start	4272	End	12987
Name	OJ000251_23.0216.C10.o4.tm	Method	TBLASTX:Maize
Start	11346	End	12275

GI	none	Score	76
Exons	11346..11435, 11955..12275, 11959..12090		

Seq. No.	33749	Seq. ID	OJ000251_23.0216.C10
Gene No.	69987	Strand	-
Start	4272	End	12987
Name	OJ000251_23.0216.C10.o3.gs	Method	GENSCAN
Start	12126	End	12785
GI	none	Score	.41
Exons	12126..12299, 12618..12785		

Seq. No.	33749	Seq. ID	OJ000251_23.0216.C10
Gene No.	69987	Strand	-
Start	4272	End	12987
Name	OJ000251_23.0216.C10.o4.tw	Method	TBLASTX:Wheat
Start	12555	End	12925
GI	none	Score	115
Exons	12555..12749, 12586..12744, 12609..12758, 12626..12763, 12762..12893, 12778..12888, 12810..12902, 12896..12925		

Seq. No.	33749	Seq. ID	OJ000251_23.0216.C10
Gene No.	69987	Strand	-
Start	4272	End	12987
Name	OJ000251_23.0216.C10.o6.tm	Method	TBLASTX:Maize
Start	12564	End	12800
GI	none	Score	60
Exons	12564..12800, 12612..12755, 12649..12783		

Seq. No.	33749	Seq. ID	OJ000251_23.0216.C10
Gene No.	69987	Strand	-
Start	4272	End	12987
Name	OJ000251_23.0216.C10.o4.ts	Method	TBLASTX:Soybean
Start	12594	End	12893
GI	none	Score	84
Exons	12594..12725, 12595..12726, 12729..12893		

Seq. No.	33750	Seq. ID	OJ000251_23.0216.C11
Gene No.	69988	Strand	-
Start	1	End	1126
Name	OJ000251_23.0216.C11.o1.np	Method	AAT/NAP
Start	1	End	1126
GI	6705984	Score	173
Exons	1..250, 1069..1126		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	33750	Seq. ID	OJ000251_23.0216.C11
Gene No.	69988	Strand	-
Start	1	End	1126
Name	OJ000251_23.0216.C11.o1.tw	Method	TBLASTX:Wheat
Start	2	End	228
GI	none	Score	56
Exons	2..103, 3..98, 106..228, 172..228		

Seq. No.	33750	Seq. ID	OJ000251_23.0216.C11
Gene No.	69988	Strand	-
Start	1	End	1126
Name	OJ000251_23.0216.C11.o1.gs	Method	GENSCAN

Start	279	End	388
GI	none	Score	.57
Exons	279..388		

Seq. No.	33751	Seq. ID	OJ000251_23.0216.C16
Gene No.	69989	Strand	-
Start	1494	End	5737
Name	OJ000251_23.0216.C16.o1.np	Method	AAT/NAP
Start	1494	End	4634
GI	1652281	Score	209
Exons	1494..1548, 1644..1709, 1783..1853, 2481..2543, 2642..2710, 3482..3535, 3611..3691, 4514..4634		
GI Descrip.	(D90904) hypothetical protein [Synechocystis sp.]		

Seq. No.	33751	Seq. ID	OJ000251_23.0216.C16
Gene No.	69989	Strand	-
Start	1494	End	5737
Name	OJ000251_23.0216.C16.o1.tm	Method	TBLASTX:Maize
Start	1507	End	3532
GI	none	Score	64
Exons	1507..1551, 1509..1550, 1644..1715, 1644..1709, 1646..1714, 1777..1866, 1779..1868, 1783..1869, 2479..2556, 2481..2558, 2481..2552, 2621..2710, 2631..2714, 3482..3532		

Seq. No.	33751	Seq. ID	OJ000251_23.0216.C16
Gene No.	69989	Strand	-
Start	1494	End	5737
Name	OJ000251_23.0216.C16.o1.gs	Method	GENSCAN
Start	1783	End	5737
GI	none	Score	.82
Exons	1783..1865, 2481..2543, 4407..4472, 4641..4968, 5230..5352, 5357..5519, 5614..5737		

Seq. No.	33752	Seq. ID	OJ000251_23.0216.C17
Gene No.	69990	Strand	+
Start	11935	End	12977
Name	OJ000251_23.0216.C17.o2.gs	Method	GENSCAN
Start	11935	End	12977
GI	none	Score	.69
Exons	11935..12169, 12688..12873, 12904..12977		

Seq. No.	33752	Seq. ID	OJ000251_23.0216.C17
Gene No.	69991	Strand	-
Start	552	End	9160
Name	OJ000251_23.0216.C17.o1.gs	Method	GENSCAN
Start	552	End	9160
GI	none	Score	.51
Exons	552..634, 1910..2294, 2379..2561, 2860..3012, 3264..3464, 3546..3660, 7147..7187, 8818..8922, 9068..9160		

Seq. No.	33752	Seq. ID	OJ000251_23.0216.C17
Gene No.	69992	Strand	-
Start	14066	End	15341
Name	OJ000251_23.0216.C17.o3.tm	Method	TBLASTX:Maize
Start	2	End	1692
GI	none	Score	96
Exons	2..178, 19..177, 1468..1692, 1469..1684		

Seq. No.	33752	Seq. ID	OJ000251_23.0216.C17
Gene No.	69992	Strand	-
Start	14066	End	15341
Name	OJ000251_23.0216.C17.o1.ts	Method	TBLASTX:Soybean
Start	4	End	2024
GI	none	Score	86
Exons	4..189, 210..404, 211..399, 474..530, 1498..1659, 1705..1893, 1731..2024		

Seq. No.	33752	Seq. ID	OJ000251_23.0216.C17
Gene No.	69992	Strand	-
Start	14066	End	15341
Name	OJ000251_23.0216.C17.o3.tw	Method	TBLASTX:Wheat
Start	19	End	1874
GI	none	Score	111
Exons	19..216, 87..365, 1324..1440, 1468..1506, 1513..1710, 1725..1874		

Seq. No.	33752	Seq. ID	OJ000251_23.0216.C17
Gene No.	69992	Strand	-
Start	14066	End	15341
Name	OJ000251_23.0216.C17.o1.tm	Method	TBLASTX:Maize
Start	183	End	2591
GI	none	Score	91
Exons	183..551, 184..408, 475..591, 1714..1902, 1734..2591, 1969..2106, 2188..2568		

Seq. No.	33752	Seq. ID	OJ000251_23.0216.C17
Gene No.	69992	Strand	-
Start	14066	End	15341
Name	OJ000251_23.0216.C17.o4.tw	Method	TBLASTX:Wheat
Start	387	End	2225
GI	none	Score	47
Exons	387..467, 459..542, 1881..1961, 1953..2105, 1969..2106, 2110..2223, 2115..2225		

Seq. No.	33752	Seq. ID	OJ000251_23.0216.C17
Gene No.	69992	Strand	-
Start	14066	End	15341
Name	OJ000251_23.0216.C17.o1.tw	Method	TBLASTX:Wheat
Start	862	End	1236
GI	none	Score	87
Exons	862..1236, 863..1012, 868..1209		

Seq. No.	33752	Seq. ID	OJ000251_23.0216.C17
Gene No.	69992	Strand	-
Start	14066	End	15341
Name	OJ000251_23.0216.C17.o2.tm	Method	TBLASTX:Maize
Start	955	End	1425
GI	none	Score	66
Exons	955..1041, 959..1006, 961..1041, 1054..1425, 1057..1125, 1258..1425		

Seq. No.	33752	Seq. ID	OJ000251 23.0216.C17
Gene No.	69992	Strand	-
Start	14066	End	15341
Name	OJ000251_23.0216.C17.o2.tw	Method	TBLASTX:Wheat

Start	2226	End	2537
GI	none	Score	188
Exons	2226..2261, 2262..2537, 2266..2505		

Seq. No.	33752	Seq. ID	OJ000251_23.0216.C17
Gene No.	69992	Strand	-
Start	14066	End	15341
Name	OJ000251_23.0216.C17.o3.gs	Method	GENSCAN
Start	14066	End	15341
GI	none	Score	.51
Exons	14066..14144, 14598..14676, 15100..15341		

Seq. No.	33753	Seq. ID	OJ000251_23.0216.C18
Gene No.	69993	Strand	+
Start	280	End	782
Name	OJ000251_23.0216.C18.o1.gs	Method	GENSCAN
Start	280	End	782
GI	none	Score	.79
Exons	280..436, 669..782		

Seq. No.	33754	Seq. ID	OJ000251_23.0216.C20
Gene No.	69994	Strand	
Start	76	End	402
Name	OJ000251_23.0216.C20.o1.tm	Method	TBLASTX:Maize
Start	76	End	396
GI	none	Score	58
Exons	76..144, 77..136, 160..396, 161..376		

Seq. No.	33754	Seq. ID	OJ000251_23.0216.C20
Gene No.	69994	Strand	
Start	76	End	402
Name	OJ000251_23.0216.C20.o1.tw	Method	TBLASTX:Wheat
Start	160	End	402
GI	none	Score	163
Exons	160..198, 205..402		

Seq. No.	33755	Seq. ID	OJ000251_23.0216.C22
Gene No.	69995	Strand	-
Start	222	End	269
Name	OJ000251_23.0216.C22.o1.gs	Method	GENSCAN
Start	222	End	269
GI	none	Score	.49
Exons	222..269		

Seq. No.	33756	Seq. ID	OJ000251_23.0216.C23
Gene No.	69996	Strand	-
Start	86	End	263
Name	OJ000251_23.0216.C23.o1.gs	Method	GENSCAN
Start	86	End	263
GI	none	Score	.47
Exons	86..263		

Seq. No.	33757	Seq. ID	OJ000251_23.0216.C28
Gene No.	69997	Strand	+
Start	877	End	963
Name	OJ000251_23.0216.C28.o1.gp	Method	AAT/GAP
Start	877	End	963

GI	none	Score	148
Exons	877..963		

Seq. No.	33757	Seq. ID	OJ000251_23.0216.C28
Gene No.	69998	Strand	-
Start	217	End	1204
Name	OJ000251_23.0216.C28.o1.tm	Method	TBLASTX:Maize
Start	109	End	1203
GI	none	Score	171
Exons	109..969, 224..886, 649..969, 871..1203, 895..1200, 932..1138, 977..1201, 985..1134, 985..1200		

Seq. No.	33757	Seq. ID	OJ000251_23.0216.C28
Gene No.	69998	Strand	-
Start	217	End	1204
Name	OJ000251_23.0216.C28.o1.tc	Method	TBLASTX:Cress
Start	130	End	1134
GI	none	Score	86
Exons	130..798, 194..457, 494..724, 937..1053, 1096..1134		

Seq. No.	33757	Seq. ID	OJ000251_23.0216.C28
Gene No.	69998	Strand	-
Start	217	End	1204
Name	OJ000251_23.0216.C28.o1.ts	Method	TBLASTX:Soybean
Start	164	End	681
GI	none	Score	116
Exons	164..541, 193..681, 581..646		

Seq. No.	33757	Seq. ID	OJ000251_23.0216.C28
Gene No.	69998	Strand	-
Start	217	End	1204
Name	OJ000251_23.0216.C28.o1.np	Method	AAT/NAP
Start	217	End	1204
GI	3702341	Score	715
Exons	217..1204		
GI Descrip.	(AC005397) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33757	Seq. ID	OJ000251_23.0216.C28
Gene No.	69998	Strand	-
Start	217	End	1204
Name	OJ000251_23.0216.C28.o1.gs	Method	GENSCAN
Start	289	End	1134
GI	none	Score	.62
Exons	289..1134		

Seq. No.	33757	Seq. ID	OJ000251_23.0216.C28
Gene No.	69998	Strand	-
Start	217	End	1204
Name	OJ000251_23.0216.C28.o1.tw	Method	TBLASTX:Wheat
Start	544	End	1201
GI	none	Score	60
Exons	544..1020, 545..850, 907..1200, 953..1201		

Seq. No.	33757	Seq. ID	OJ000251_23.0216.C28
Gene No.	69998	Strand	-
Start	217	End	1204
Name	OJ000251_23.0216.C28.o2.ts	Method	TBLASTX:Soybean

Start	742	End	1200
GI	none	Score	94
Exons	742..1125, 1045..1200		

Seq. No.	33758	Seq. ID	OJ000251_23.0216.C29
Gene No.	69999	Strand	-
Start	1804	End	2197
Name	OJ000251_23.0216.C29.o1.gs	Method	GENSCAN
Start	1804	End	2197
GI	none	Score	.63
Exons	1804..1835, 2092..2197		

Seq. No.	33759	Seq. ID	OJ000251_23.0216.C30
Gene No.	70000	Strand	-
Start	180	End	4210
Name	OJ000251_23.0216.C30.o4.tw	Method	TBLASTX:Wheat
Start	160	End	363
GI	none	Score	103
Exons	160..363, 186..362		

Seq. No.	33759	Seq. ID	OJ000251_23.0216.C30
Gene No.	70000	Strand	-
Start	180	End	4210
Name	OJ000251_23.0216.C30.o1.np	Method	AAT/NAP
Start	180	End	4210
GI	3600044	Score	1831
Exons	180..1821, 2235..3644, 3860..4210		
GI Descrip.	(AF080119) contains similarity to proteases [Arabidopsis thaliana]		

Seq. No.	33759	Seq. ID	OJ000251_23.0216.C30
Gene No.	70000	Strand	-
Start	180	End	4210
Name	OJ000251_23.0216.C30.o4.tm	Method	TBLASTX:Maize
Start	180	End	530
GI	none	Score	38
Exons	180..221, 184..219, 216..518, 222..530, 299..523		

Seq. No.	33759	Seq. ID	OJ000251_23.0216.C30
Gene No.	70000	Strand	-
Start	180	End	4210
Name	OJ000251_23.0216.C30.o3.tc	Method	TBLASTX:Cress
Start	186	End	854
GI	none	Score	104
Exons	186..422, 435..551, 660..854		

Seq. No.	33759	Seq. ID	OJ000251_23.0216.C30
Gene No.	70000	Strand	-
Start	180	End	4210
Name	OJ000251_23.0216.C30.o1.ts	Method	TBLASTX:Soybean
Start	306	End	824
GI	none	Score	120
Exons	306..824, 478..630		

Seq. No.	33759	Seq. ID	OJ000251_23.0216.C30
Gene No.	70000	Strand	-
Start	180	End	4210

Name	OJ000251_23.0216.C30.o1.tm	Method	TBLASTX:Maize
Start	531	End	989
GI	none	Score	283
Exons	531..989, 532..978		

Seq. No.	33759	Seq. ID	OJ000251_23.0216.C30
Gene No.	70000	Strand	-
Start	180	End	4210
Name	OJ000251_23.0216.C30.o1.tw	Method	TBLASTX:Wheat
Start	588	End	1019
GI	none	Score	57
Exons	588..839, 589..675, 615..842, 859..1017	733..885, 845..916, 858..1019,	

Seq. No.	33759	Seq. ID	OJ000251_23.0216.C30
Gene No.	70000	Strand	-
Start	180	End	4210
Name	OJ000251_23.0216.C30.o3.tm	Method	TBLASTX:Maize
Start	996	End	1401
GI	none	Score	190
Exons	996..1400, 999..1394, 1132..1401		

Seq. No.	33759	Seq. ID	OJ000251_23.0216.C30
Gene No.	70000	Strand	-
Start	180	End	4210
Name	OJ000251_23.0216.C30.o2.tw	Method	TBLASTX:Wheat
Start	1188	End	1533
GI	none	Score	133
Exons	1188..1532, 1210..1533		

Seq. No.	33759	Seq. ID	OJ000251_23.0216.C30
Gene No.	70000	Strand	-
Start	180	End	4210
Name	OJ000251_23.0216.C30.o2.ts	Method	TBLASTX:Soybean
Start	1200	End	1697
GI	5509260	Score	119
Exons	1200..1697, 1201..1374		
GI Descrip.	-		

Seq. No.	33759	Seq. ID	OJ000251_23.0216.C30
Gene No.	70000	Strand	-
Start	180	End	4210
Name	OJ000251_23.0216.C30.o2.tc	Method	TBLASTX:Cress
Start	1314	End	1566
GI	none	Score	69
Exons	1314..1565, 1405..1566		

Seq. No.	33759	Seq. ID	OJ000251_23.0216.C30
Gene No.	70000	Strand	-
Start	180	End	4210
Name	OJ000251_23.0216.C30.o5.tm	Method	TBLASTX:Maize
Start	1401	End	1653
GI	none	Score	115
Exons	1401..1652, 1416..1652, 1435..1653		

Seq. No.	33759	Seq. ID	OJ000251_23.0216.C30
Gene No.	70000	Strand	-

Start	180	End	4210
Name	OJ000251_23.0216.C30.o3.tw	Method	TBLASTX:Wheat
Start	2244	End	2608
GI	none	Score	102
Exons	2244..2393, 2333..2608, 2355..2561		

Seq. No.	33759	Seq. ID	OJ000251_23.0216.C30
Gene No.	70000	Strand	-
Start	180	End	4210
Name	OJ000251_23.0216.C30.o1.tc	Method	TBLASTX:Cress
Start	2250	End	2701
GI	none	Score	80
Exons	2250..2348, 2333..2701, 2334..2447		

Seq. No.	33759	Seq. ID	OJ000251_23.0216.C30
Gene No.	70000	Strand	-
Start	180	End	4210
Name	OJ000251_23.0216.C30.o2.tm	Method	TBLASTX:Maize
Start	2280	End	2731
GI	none	Score	68
Exons	2280..2342, 2281..2343, 2298..2351, 2333..2656, 2348..2632, 2352..2675, 2633..2731, 2689..2727		

Seq. No.	33759	Seq. ID	OJ000251_23.0216.C30
Gene No.	70000	Strand	-
Start	180	End	4210
Name	OJ000251_23.0216.C30.o3.ts	Method	TBLASTX:Soybean
Start	2333	End	2686
GI	none	Score	221
Exons	2333..2686		

Seq. No.	33759	Seq. ID	OJ000251_23.0216.C30
Gene No.	70000	Strand	-
Start	180	End	4210
Name	OJ000251_23.0216.C30.o6.tm	Method	TBLASTX:Maize
Start	2735	End	3022
GI	none	Score	66
Exons	2735..2839, 2736..2846, 2852..3022, 2859..3011		

Seq. No.	33760	Seq. ID	OJ000251_23.0216.C31
Gene No.	70001	Strand	+
Start	423	End	1768
Name	OJ000251_23.0216.C31.o1.gs	Method	GENSCAN
Start	423	End	1768
GI	none	Score	.76
Exons	423..585, 1637..1768		

Seq. No.	33761	Seq. ID	OJ000251_23.0216.C32
Gene No.	70002	Strand	+
Start	55	End	1513
Name	OJ000251_23.0216.C32.o1.gs	Method	GENSCAN
Start	55	End	1513
GI	none	Score	.48
Exons	55..288, 333..420, 1461..1513		

Seq. No.	33761	Seq. ID	OJ000251_23.0216.C32
Gene No.	70003	Strand	-

Start	318	End	865
Name	OJ000251_23.0216.C32.o1.np	Method	AAT/NAP
Start	318	End	865
GI	6539585	Score	156
Exons	318..389, 687..865		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	33762	Seq. ID	OJ000251_23.0216.C33
Gene No.	70004	Strand	+
Start	1	End	2373
Name	OJ000251_23.0216.C33.o1.np	Method	AAT/NAP
Start	1	End	2373
GI	4105633	Score	692
Exons	1..136, 164..1227, 1833..2373		
GI Descrip.	(AF048982) putative ethylene receptor [Arabidopsis thaliana] gi|6175182|gb|AAF04908.1|AC011437_23 (AC011437) putative ethylene receptor [Arabidopsis thaliana]		

Seq. No.	33762	Seq. ID	OJ000251_23.0216.C33
Gene No.	70004	Strand	+
Start	1	End	2373
Name	OJ000251_23.0216.C33.o1.gs	Method	GENSCAN
Start	55	End	2369
GI	none	Score	.97
Exons	55..1227, 1833..2369		

Seq. No.	33762	Seq. ID	OJ000251_23.0216.C33
Gene No.	70005	Strand	+
Start	3703	End	4160
Name	OJ000251_23.0216.C33.o1.ts	Method	TBLASTX:Soybean
Start	1	End	756
GI	none	Score	62
Exons	1..60, 286..327, 325..390, 361..651, 583..654, 634..756, 678..752		

Seq. No.	33762	Seq. ID	OJ000251_23.0216.C33
Gene No.	70005	Strand	+
Start	3703	End	4160
Name	OJ000251_23.0216.C33.o1.tm	Method	TBLASTX:Maize
Start	199	End	2369
GI	none	Score	39
Exons	199..228, 286..327, 324..380, 325..399, 364..651, 481..654, 497..658, 634..747, 658..747, 663..776, 709..966, 715..972, 747..971, 988..1137, 990..1112, 1830..1916, 1832..1906, 1946..2086, 1947..2090, 2088..2129, 2154..2210, 2154..2225, 2268..2369, 2279..2353		

Seq. No.	33762	Seq. ID	OJ000251_23.0216.C33
Gene No.	70005	Strand	+
Start	3703	End	4160
Name	OJ000251_23.0216.C33.o1.tc	Method	TBLASTX:Cress
Start	325	End	2360
GI	none	Score	66
Exons	325..381, 364..651, 634..747, 715..972, 1824..1910, 1956..2126, 1961..2062, 2268..2360		

Seq. No.	33762	Seq. ID	OJ000251_23.0216.C33

Gene No.	70005	Strand	+
Start	3703	End	4160
Name	OJ000251_23.0216.C33.o1.gp	Method	AAT/GAP
Start	3557	End	4160
GI	29886_1.R1084	Score	1127
Exons	3557..4160		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	33762	Seq. ID	OJ000251_23.0216.C33
Gene No.	70005	Strand	+
Start	3703	End	4160
Name	OJ000251_23.0216.C33.o2.gs	Method	GENSCAN
Start	3703	End	3908
GI	none	Score	.42
Exons	3703..3720, 3783..3908		

Seq. No.	33763	Seq. ID	OJ000251_23.0216.C34
Gene No.	70006	Strand	-
Start	40	End	287
Name	OJ000251_23.0216.C34.o1.gs	Method	GENSCAN
Start	40	End	287
GI	none	Score	.41
Exons	40..287		

Seq. No.	33764	Seq. ID	OJ000251_23.0216.C35
Gene No.	70007	Strand	-
Start	73	End	130
Name	OJ000251_23.0216.C35.o1.gs	Method	GENSCAN
Start	73	End	130
GI	none	Score	.94
Exons	73..130		

Seq. No.	33765	Seq. ID	OJ000251_23.0216.C36
Gene No.	70008	Strand	
Start	57	End	394
Name	OJ000251_23.0216.C36.o1.tw	Method	TBLASTX:Wheat
Start	57	End	359
GI	none	Score	274
Exons	57..359, 72..353, 209..358		

Seq. No.	33765	Seq. ID	OJ000251_23.0216.C36
Gene No.	70008	Strand	
Start	57	End	394
Name	OJ000251_23.0216.C36.o1.tm	Method	TBLASTX:Maize
Start	192	End	394
GI	none	Score	183
Exons	192..392, 209..394		

Seq. No.	33766	Seq. ID	OJ000251_23.0216.C37
Gene No.	70009	Strand	+
Start	555	End	699
Name	OJ000251_23.0216.C37.o1.tw	Method	TBLASTX:Wheat
Start	37	End	327
GI	none	Score	279
Exons	37..327, 40..321, 177..326		

Seq. No.	33766	Seq. ID	OJ000251_23.0216.C37
Gene No.	70009	Strand	+
Start	555	End	699
Name	OJ000251_23.0216.C37.o2.tm	Method	TBLASTX:Maize
Start	160	End	362
GI	none	Score	182
Exons	160..360, 177..362		

Seq. No.	33766	Seq. ID	OJ000251_23.0216.C37
Gene No.	70009	Strand	+
Start	555	End	699
Name	OJ000251_23.0216.C37.o1.tm	Method	TBLASTX:Maize
Start	406	End	699
GI	none	Score	167
Exons	406..594, 414..602, 585..677, 598..699		

Seq. No.	33766	Seq. ID	OJ000251_23.0216.C37
Gene No.	70009	Strand	+
Start	555	End	699
Name	OJ000251_23.0216.C37.o1.gs	Method	GENSCAN
Start	555	End	699
GI	none	Score	.61
Exons	555..699		

Seq. No.	33767	Seq. ID	OJ000251_23.0216.C38
Gene No.	70010	Strand	+
Start	1837	End	5213
Name	OJ000251_23.0216.C38.o1.gs	Method	GENSCAN
Start	1837	End	5213
GI	none	Score	.6
Exons	1837..1926, 4570..4846, 4848..5145, 5192..5213		

Seq. No.	33767	Seq. ID	OJ000251_23.0216.C38
Gene No.	70011	Strand	-
Start	5375	End	9762
Name	OJ000251_23.0216.C38.o2.gs	Method	GENSCAN
Start	5375	End	9762
GI	none	Score	.95
Exons	5375..5673, 5965..6056, 7621..7643, 8415..8452, 9217..9383, 9689..9762		

Seq. No.	33767	Seq. ID	OJ000251_23.0216.C38
Gene No.	70012	Strand	-
Start	11356	End	14502
Name	OJ000251_23.0216.C38.o1.gp	Method	AAT/GAP
Start	11356	End	11823
GI	16960_1.R1084	Score	866
Exons	11356..11823		
GI Descrip.	'4558673/gb|AAD22691.1|AC007063_17 1.0e-25 (AC007063) hypothetical protein [Arabidopsis thaliana] >gi_4726112_gb_AAD28312.1_AC006436_3 (AC006436) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	33767	Seq. ID	OJ000251_23.0216.C38
Gene No.	70012	Strand	-
Start	11356	End	14502
Name	OJ000251_23.0216.C38.o1.tm	Method	TBLASTX:Maize

Start	11557	End	12512
GI	none	Score	110
Exons	11557..11661, 11565..11663, 11565..12500, 11579..11797, 11584..12087, 12139..12501, 12143..12505, 12153..12512		

Seq. No.	33767	Seq. ID	OJ000251_23.0216.C38
Gene No.	70012	Strand	-
Start	11356	End	14502
Name	OJ000251_23.0216.C38.o1.np	Method	AAT/NAP
Start	11570	End	14372
GI	4726112	Score	925
Exons	11570..12500, 13617..14146, 14201..14372		
GI Descrip.	(AC006436) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33767	Seq. ID	OJ000251_23.0216.C38
Gene No.	70012	Strand	-
Start	11356	End	14502
Name	OJ000251_23.0216.C38.o1.ts	Method	TBLASTX:Soybean
Start	11689	End	11931
GI	none	Score	174
Exons	11689..11931, 11691..11930		

Seq. No.	33767	Seq. ID	OJ000251_23.0216.C38
Gene No.	70012	Strand	-
Start	11356	End	14502
Name	OJ000251_23.0216.C38.o1.tw	Method	TBLASTX:Wheat
Start	11718	End	12071
GI	none	Score	212
Exons	11718..12071		

Seq. No.	33767	Seq. ID	OJ000251_23.0216.C38
Gene No.	70012	Strand	-
Start	11356	End	14502
Name	OJ000251_23.0216.C38.o2.gp	Method	AAT/GAP
Start	14161	End	14502
GI	2309958	Score	590
Exons	14161..14502		

Seq. No.	33768	Seq. ID	OJ000251_23.0216.C39
Gene No.	70013	Strand	-
Start	1014	End	1421
Name	OJ000251_23.0216.C39.o1.gs	Method	GENSCAN
Start	1014	End	1421
GI	none	Score	.42
Exons	1014..1124, 1271..1421		

Seq. No.	33769	Seq. ID	OJ000251_23.0216.C40
Gene No.	70014	Strand	-
Start	364	End	892
Name	OJ000251_23.0216.C40.o1.gs	Method	GENSCAN
Start	364	End	892
GI	none	Score	.99
Exons	364..573, 845..892		

Seq. No.	33770	Seq. ID	OJ000251_23.0216.C41
Gene No.	70015	Strand	-
Start	712	End	2240

Name	OJ000251_23.0216.C41.o1.gs	Method	GENSCAN
Start	712	End	2240
GI	none	Score	.79
Exons	712..780, 1498..1655, 2078..2240		

Seq. No.	33770	Seq. ID	OJ000251_23.0216.C41
Gene No.	70016	Strand	-
Start	3104	End	4770
Name	OJ000251_23.0216.C41.o2.gs	Method	GENSCAN
Start	3104	End	4770
GI	none	Score	.65
Exons	3104..3472, 3624..3830, 4172..4320, 4401..4562, 4658..4770		

Seq. No.	33771	Seq. ID	OJ000251_23.0216.C42
Gene No.	70017	Strand	+
Start	452	End	2242
Name	OJ000251_23.0216.C42.o1.gs	Method	GENSCAN
Start	452	End	2234
GI	none	Score	.55
Exons	452..538, 777..983, 1040..1229, 1308..2234		

Seq. No.	33771	Seq. ID	OJ000251_23.0216.C42
Gene No.	70017	Strand	+
Start	452	End	2242
Name	OJ000251_23.0216.C42.o1.np	Method	AAT/NAP
Start	1058	End	2242
GI	6721562	Score	1965
Exons	1058..2242		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	33771	Seq. ID	OJ000251_23.0216.C42
Gene No.	70017	Strand	+
Start	452	End	2242
Name	OJ000251_23.0216.C42.o1.tw	Method	TBLASTX:Wheat
Start	1712	End	2104
GI	none	Score	58
Exons	1712..1759, 1766..1864, 1771..1863, 1831..2070, 1847..2104		

Seq. No.	33771	Seq. ID	OJ000251_23.0216.C42
Gene No.	70017	Strand	+
Start	452	End	2242
Name	OJ000251_23.0216.C42.o1.tm	Method	TBLASTX:Maize
Start	1754	End	2002
GI	none	Score	197
Exons	1754..2002, 1756..2001		

Seq. No.	33772	Seq. ID	OJ000251_23.0216.C43
Gene No.	70018	Strand	+
Start	1	End	1771
Name	OJ000251_23.0216.C43.o1.np	Method	AAT/NAP
Start	1	End	1771
GI	6498441	Score	1638
Exons	1..285, 629..1093, 1157..1530, 1695..1771		

GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	33772	Seq. ID	OJ000251_23.0216.C43
Gene No.	70018	Strand	+
Start	1	End	1771
Name	OJ000251_23.0216.C43.o2.tw	Method	TBLASTX:Wheat
Start	525	End	912
GI	none	Score	358
Exons	525..686, 526..912, 708..911		
Seq. No.	33772	Seq. ID	OJ000251_23.0216.C43
Gene No.	70018	Strand	+
Start	1	End	1771
Name	OJ000251_23.0216.C43.o1.tw	Method	TBLASTX:Wheat
Start	1164	End	1627
GI	none	Score	192
Exons	1164..1607, 1165..1620, 1166..1627, 1166..1621		
Seq. No.	33772	Seq. ID	OJ000251_23.0216.C43
Gene No.	70018	Strand	+
Start	1	End	1771
Name	OJ000251_23.0216.C43.o1.ts	Method	TBLASTX:Soybean
Start	1205	End	1570
GI	none	Score	109
Exons	1205..1429, 1436..1570		
Seq. No.	33772	Seq. ID	OJ000251_23.0216.C43
Gene No.	70018	Strand	+
Start	1	End	1771
Name	OJ000251_23.0216.C43.o1.tm	Method	TBLASTX:Maize
Start	1295	End	1645
GI	none	Score	389
Exons	1295..1642, 1330..1641, 1346..1645		
Seq. No.	33773	Seq. ID	OJ000251_23.0216.C45
Gene No.	70019	Strand	+
Start	1	End	1499
Name	OJ000251_23.0216.C45.o1.np	Method	AAT/NAP
Start	1	End	1499
GI	5902445	Score	1095
Exons	1..687, 1174..1499		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	33773	Seq. ID	OJ000251_23.0216.C45
Gene No.	70019	Strand	+
Start	1	End	1499
Name	OJ000251_23.0216.C45.o3.tw	Method	TBLASTX:Wheat
Start	5	End	193
GI	none	Score	203
Exons	5..193, 6..191		
Seq. No.	33773	Seq. ID	OJ000251_23.0216.C45
Gene No.	70019	Strand	+
Start	1	End	1499
Name	OJ000251_23.0216.C45.o1.gs	Method	GENSCAN

Start	108	End	1382
GI	none	Score	.62
Exons	108..307, 418..1382		

Seq. No.	33773	Seq. ID	OJ000251_23.0216.C45
Gene No.	70019	Strand	+
Start	1	End	1499
Name	OJ000251_23.0216.C45.o1.tm	Method	TBLASTX:Maize
Start	137	End	520
GI	none	Score	279
Exons	137..415, 138..416, 410..520		

Seq. No.	33773	Seq. ID	OJ000251_23.0216.C45
Gene No.	70019	Strand	+
Start	1	End	1499
Name	OJ000251_23.0216.C45.o1.tw	Method	TBLASTX:Wheat
Start	194	End	613
GI	none	Score	274
Exons	194..415, 195..425, 297..416, 407..613, 433..606		

Seq. No.	33773	Seq. ID	OJ000251_23.0216.C45
Gene No.	70019	Strand	+
Start	1	End	1499
Name	OJ000251_23.0216.C45.o1.ts	Method	TBLASTX:Soybean
Start	273	End	643
GI	none	Score	154
Exons	273..416, 290..415, 413..643		

Seq. No.	33773	Seq. ID	OJ000251_23.0216.C45
Gene No.	70019	Strand	+
Start	1	End	1499
Name	OJ000251_23.0216.C45.o2.tw	Method	TBLASTX:Wheat
Start	1163	End	1432
GI	none	Score	263
Exons	1163..1432, 1198..1431		

Seq. No.	33774	Seq. ID	OJ000251_23.0216.C46
Gene No.	70020	Strand	+
Start	1	End	1196
Name	OJ000251_23.0216.C46.o1.np	Method	AAT/NAP
Start	1	End	1193
GI	6498441	Score	1826
Exons	1..818, 912..1193		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	33774	Seq. ID	OJ000251_23.0216.C46
Gene No.	70020	Strand	+
Start	1	End	1196
Name	OJ000251_23.0216.C46.o1.gs	Method	GENSCAN
Start	64	End	1196
GI	none	Score	.88
Exons	64..1196		

Seq. No.	33774	Seq. ID	OJ000251_23.0216.C46
Gene No.	70021	Strand	+

Start	1357	End	1818
Name	OJ000251_23.0216.C46.o1.gp	Method	AAT/GAP
Start	1357	End	1818
GI	2428323	Score	854
Exons	1357..1818		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	33774	Seq. ID	OJ000251_23.0216.C46
Gene No.	70022	Strand	-
Start	1826	End	2052
Name	OJ000251_23.0216.C46.o1.tm	Method	TBLASTX:Maize
Start	63	End	386
GI	none	Score	354
Exons	63..386, 92..373		

Seq. No.	33774	Seq. ID	OJ000251_23.0216.C46
Gene No.	70022	Strand	-
Start	1826	End	2052
Name	OJ000251_23.0216.C46.o1.tw	Method	TBLASTX:Wheat
Start	200	End	581
GI	none	Score	365
Exons	200..256, 201..581, 297..542, 302..550		

Seq. No.	33774	Seq. ID	OJ000251_23.0216.C46
Gene No.	70022	Strand	-
Start	1826	End	2052
Name	OJ000251_23.0216.C46.o2.tw	Method	TBLASTX:Wheat
Start	582	End	1184
GI	none	Score	259
Exons	582..878, 586..657, 587..685, 722..865, 1058..1180, 1059..1184		

Seq. No.	33774	Seq. ID	OJ000251_23.0216.C46
Gene No.	70022	Strand	-
Start	1826	End	2052
Name	OJ000251_23.0216.C46.o2.tm	Method	TBLASTX:Maize
Start	1053	End	1234
GI	none	Score	192
Exons	1053..1220, 1058..1234		

Seq. No.	33774	Seq. ID	OJ000251_23.0216.C46
Gene No.	70022	Strand	-
Start	1826	End	2052
Name	OJ000251_23.0216.C46.o2.gs	Method	GENSCAN
Start	1826	End	2023
GI	none	Score	.64
Exons	1826..2023		

Seq. No.	33774	Seq. ID	OJ000251_23.0216.C46
Gene No.	70022	Strand	-
Start	1826	End	2052
Name	OJ000251_23.0216.C46.o2.np	Method	AAT/NAP
Start	1829	End	2052
GI	5803259	Score	370
Exons	1829..2052		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	33775	Seq. ID	OJ000251_23.0216.C47
Gene No.	70023	Strand	-
Start	1	End	2432
Name	OJ000251_23.0216.C47.o1.np	Method	AAT/NAP
Start	1	End	2432
GI	5803259	Score	3747
Exons	1..903, 934..1075, 1171..2432		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	33775	Seq. ID	OJ000251_23.0216.C47
Gene No.	70023	Strand	-
Start	1	End	2432
Name	OJ000251_23.0216.C47.o1.gs	Method	GENSCAN
Start	20	End	2432
GI	none	Score	.95
Exons	20..404, 422..1075, 1171..2432		

Seq. No.	33775	Seq. ID	OJ000251_23.0216.C47
Gene No.	70024	Strand	-
Start	2813	End	2928
Name	OJ000251_23.0216.C47.o2.gs	Method	GENSCAN
Start	2813	End	2928
GI	none	Score	.55
Exons	2813..2928		

Seq. No.	33776	Seq. ID	OJ000251_23.0216.C48
Gene No.	70025	Strand	+
Start	25	End	1733
Name	OJ000251_23.0216.C48.o1.gs	Method	GENSCAN
Start	25	End	1733
GI	none	Score	.82
Exons	25..111, 347..517, 1599..1733		

Seq. No.	33776	Seq. ID	OJ000251_23.0216.C48
Gene No.	70026	Strand	-
Start	4521	End	9541
Name	OJ000251_23.0216.C48.o2.gs	Method	GENSCAN
Start	4521	End	9526
GI	none	Score	.47
Exons	4521..4646, 4801..4975, 5642..5691, 5779..5805, 8702..9526		

Seq. No.	33776	Seq. ID	OJ000251_23.0216.C48
Gene No.	70026	Strand	-
Start	4521	End	9541
Name	OJ000251_23.0216.C48.o1.np	Method	AAT/NAP
Start	7300	End	9541
GI	2244839	Score	611
Exons	7300..7319, 8586..9541		
GI Descrip.	(Z97337) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33776	Seq. ID	OJ000251_23.0216.C48
Gene No.	70026	Strand	-
Start	4521	End	9541
Name	OJ000251_23.0216.C48.o1.ts	Method	TBLASTX:Soybean
Start	8585	End	9076
GI	none	Score	308
Exons	8585..9076		

Seq. No.	33776	Seq. ID	OJ000251_23.0216.C48
Gene No.	70026	Strand	-
Start	4521	End	9541
Name	OJ000251_23.0216.C48.o1.tm	Method	TBLASTX:Maize
Start	8606	End	9541
GI	none	Score	143
Exons	8606..9541, 8883..9326, 9122..9319, 9203..9463, 9452..9541		

Seq. No.	33776	Seq. ID	OJ000251_23.0216.C48
Gene No.	70026	Strand	-
Start	4521	End	9541
Name	OJ000251_23.0216.C48.o1.tc	Method	TBLASTX:Cress
Start	8849	End	9538
GI	none	Score	65
Exons	8849..8971, 8969..9079, 9143..9451, 9464..9538		

Seq. No.	33776	Seq. ID	OJ000251_23.0216.C48
Gene No.	70026	Strand	-
Start	4521	End	9541
Name	OJ000251_23.0216.C48.o1.tw	Method	TBLASTX:Wheat
Start	9011	End	9464
GI	none	Score	40
Exons	9011..9442, 9012..9134, 9014..9313, 9180..9464		

Seq. No.	33777	Seq. ID	OJ000251_23.0216.C51
Gene No.	70027	Strand	-
Start	17	End	145
Name	OJ000251_23.0216.C51.o1.gs	Method	GENSCAN
Start	17	End	145
GI	none	Score	1
Exons	17..145		

Seq. No.	33778	Seq. ID	OJ000251_23.0216.C52
Gene No.	70028	Strand	+
Start	9	End	319
Name	OJ000251_23.0216.C52.o1.gs	Method	GENSCAN
Start	9	End	194
GI	none	Score	.81
Exons	9..194		

Seq. No.	33778	Seq. ID	OJ000251_23.0216.C52
Gene No.	70028	Strand	+
Start	9	End	319
Name	OJ000251_23.0216.C52.o1.ts	Method	TBLASTX:Soybean
Start	42	End	319
GI	none	Score	182
Exons	42..290, 44..319		

Seq. No.	33779	Seq. ID	OJ000251_23.0216.C53
Gene No.	70029	Strand	-
Start	1	End	528
Name	OJ000251_23.0216.C53.o1.np	Method	AAT/NAP
Start	1	End	528
GI	2827553	Score	302
Exons	1..528		
GI Descrip.	(AL021635) predicted protein [Arabidopsis thaliana]		

Seq. No.	33779	Seq. ID	OJ000251_23.0216.C53
Gene No.	70029	Strand	-
Start	1	End	528
Name	OJ000251_23.0216.C53.o1.tm	Method	TBLASTX:Maize
Start	51	End	437
GI	none	Score	114
Exons	51..257, 57..395, 59..394, 93..437, 101..436, 283..423		

Seq. No.	33779	Seq. ID	OJ000251_23.0216.C53
Gene No.	70029	Strand	-
Start	1	End	528
Name	OJ000251_23.0216.C53.o1.ts	Method	TBLASTX:Soybean
Start	57	End	436
GI	none	Score	67
Exons	57..164, 59..193, 66..200, 74..286, 74..286, 173..379, 177..350, 260..436, 269..421		

Seq. No.	33779	Seq. ID	OJ000251_23.0216.C53
Gene No.	70029	Strand	-
Start	1	End	528
Name	OJ000251_23.0216.C53.o1.gs	Method	GENSCAN
Start	65	End	478
GI	none	Score	.91
Exons	65..478		

Seq. No.	33780	Seq. ID	OJ000251_23.0216.C54
Gene No.	70030	Strand	-
Start	82	End	97
Name	OJ000251_23.0216.C54.o1.gs	Method	GENSCAN
Start	82	End	97
GI	none	Score	.43
Exons	82..97		

Seq. No.	33781	Seq. ID	OJ000251_19.0216.C4
Gene No.	70031	Strand	+
Start	158	End	371
Name	OJ000251_19.0216.C4.o1.gs	Method	GENSCAN
Start	158	End	371
GI	none	Score	.89
Exons	158..266, 313..371		

Seq. No.	33782	Seq. ID	OJ000251_19.0216.C8
Gene No.	70032	Strand	+
Start	1788	End	3258
Name	OJ000251_19.0216.C8.o1.np	Method	AAT/NAP
Start	1788	End	3258
GI	114534	Score	265
Exons	1788..2046, 3235..3258		
GI Descrip.	ATP SYNTHASE ALPHA CHAIN gi|67828|pir||PWWTA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - wheat chloroplast gi|552976 (M16842) ATP synthase alpha subunit [Triticum aestivum]		

Seq. No.	33782	Seq. ID	OJ000251_19.0216.C8
Gene No.	70032	Strand	+
Start	1788	End	3258
Name	OJ000251_19.0216.C8.o1.gp	Method	AAT/GAP

Start	1882	End	2028
GI	LIB3431-040-P1-K2-C1	Score	238
Exons	1882..2028		
GI Descrip.	'114521/sp|P12084|ATPA_ORYSA 6.0e-53 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]'		

Seq. No.	33782	Seq. ID	OJ000251_19.0216.C8
Gene No.	70033	Strand	-
Start	2641	End	3025
Name	OJ000251_19.0216.C8.o1.ts	Method	TBLASTX:Soybean
Start	1783	End	2029
GI	none	Score	45
Exons	1783..1806, 1784..1810, 1814..2020, 1815..2024, 1815..2021, 1817..2029		

Seq. No.	33782	Seq. ID	OJ000251_19.0216.C8
Gene No.	70033	Strand	-
Start	2641	End	3025
Name	OJ000251_19.0216.C8.o1.tc	Method	TBLASTX:Cress
Start	1826	End	2025
GI	none	Score	134
Exons	1826..2020, 1826..2020, 1827..2024, 1830..2021, 1900..2025		

Seq. No.	33782	Seq. ID	OJ000251_19.0216.C8
Gene No.	70033	Strand	-
Start	2641	End	3025
Name	OJ000251_19.0216.C8.o2.gs	Method	GENSCAN
Start	2641	End	3025
GI	none	Score	.69
Exons	2641..2732, 2926..3025		

Seq. No.	33783	Seq. ID	OJ000251_19.0216.C9
Gene No.	70034	Strand	-
Start	825	End	4171
Name	OJ000251_19.0216.C9.o1.gs	Method	GENSCAN
Start	825	End	4171
GI	none	Score	.58
Exons	825..844, 4093..4171		

Seq. No.	33784	Seq. ID	OJ000251_19.0216.C10
Gene No.	70035	Strand	+
Start	1	End	4663
Name	OJ000251_19.0216.C10.o1.gp	Method	AAT/GAP
Start	1	End	1881
GI	uC-osroM202035b06b1	Score	794
Exons	1..119, 1185..1464, 1856..1881		
GI Descrip.	'4335747/gb|AAD17424| 4.0e-24 (AC006284) putative A3 protein [Vigna unguiculata] (integral membrane protein) [Arabidopsis thaliana]'		

Seq. No.	33784	Seq. ID	OJ000251_19.0216.C10
Gene No.	70035	Strand	+
Start	1	End	4663
Name	OJ000251_19.0216.C10.o1.gs	Method	GENSCAN

Start	1228	End	3050
GI	none	Score	.82
Exons	1228..1464, 1856..2000, 2125..2334, 2660..2781, 3009..3050		

Seq. No.	33784	Seq. ID	OJ000251_19.0216.C10
Gene No.	70035	Strand	+
Start	1	End	4663
Name	OJ000251_19.0216.C10.o1.np	Method	AAT/NAP
Start	1267	End	4550
GI	4335748	Score	1079
Exons	1267..1464, 1862..2000, 2125..2276, 2632..2781, 3328..3702, 4401..4550		
GI Descrip.	(AC006284) putative integral membrane protein [Arabidopsis thaliana]		

Seq. No.	33784	Seq. ID	OJ000251_19.0216.C10
Gene No.	70035	Strand	+
Start	1	End	4663
Name	OJ000251_19.0216.C10.o2.gp	Method	AAT/GAP
Start	2192	End	3553
GI	uC-osf1M202047e12b1	Score	916
Exons	2192..2299, 2545..2588, 2660..2781, 3328..3553		
GI Descrip.	'2498098/sp|Q41706|A3_VIGUN 3.0e-34 A3 PROTEIN >gi_2129909_pir__S58310 gene A3 protein - cowpea >gi_938300_emb_CAA62086_ (X90487) unknown [Vigna unguiculata]'		

Seq. No.	33784	Seq. ID	OJ000251_19.0216.C10
Gene No.	70035	Strand	+
Start	1	End	4663
Name	OJ000251_19.0216.C10.o3.gs	Method	GENSCAN
Start	4287	End	4663
GI	none	Score	.98
Exons	4287..4362, 4401..4663		

Seq. No.	33784	Seq. ID	OJ000251_19.0216.C10
Gene No.	70036	Strand	-
Start	3238	End	3711
Name	OJ000251_19.0216.C10.o2.gs	Method	GENSCAN
Start	3238	End	3711
GI	none	Score	.99
Exons	3238..3711		

Seq. No.	33784	Seq. ID	OJ000251_19.0216.C10
Gene No.	70037	Strand	-
Start	4466	End	4867
Name	OJ000251_19.0216.C10.o3.tm	Method	TBLASTX:Maize
Start	1204	End	1491
GI	none	Score	284
Exons	1204..1419, 1227..1427, 1434..1460, 1435..1491		

Seq. No.	33784	Seq. ID	OJ000251_19.0216.C10
Gene No.	70037	Strand	-
Start	4466	End	4867
Name	OJ000251_19.0216.C10.o1.ts	Method	TBLASTX:Soybean
Start	1206	End	4547
GI	none	Score	285
Exons	1206..1469, 1216..1464, 1835..2005, 1861..2004, 2112..2291,		

2122..2247, 2123..2263, 2725..2784, 3322..3645, 3327..3701, 3630..3707, 4395..4547

Seq. No.	33784	Seq. ID	OJ000251_19.0216.C10
Gene No.	70037	Strand	-
Start	4466	End	4867
Name	OJ000251_19.0216.C10.o2.tc	Method	TBLASTX:Cress
Start	1227	End	1469
GI	none	Score	274
Exons	1227..1469, 1228..1467		

Seq. No.	33784	Seq. ID	OJ000251_19.0216.C10
Gene No.	70037	Strand	-
Start	4466	End	4867
Name	OJ000251_19.0216.C10.o3.tc	Method	TBLASTX:Cress
Start	1835	End	2165
GI	none	Score	192
Exons	1835..2005, 1861..2004, 2112..2165, 2123..2164		

Seq. No.	33784	Seq. ID	OJ000251_19.0216.C10
Gene No.	70037	Strand	-
Start	4466	End	4867
Name	OJ000251_19.0216.C10.o1.tm	Method	TBLASTX:Maize
Start	1859	End	2275
GI	none	Score	207
Exons	1859..2005, 1864..2004, 2121..2264, 2123..2275, 2124..2270		

Seq. No.	33784	Seq. ID	OJ000251_19.0216.C10
Gene No.	70037	Strand	-
Start	4466	End	4867
Name	OJ000251_19.0216.C10.o2.tm	Method	TBLASTX:Maize
Start	2728	End	3582
GI	none	Score	61
Exons	2728..2784, 3322..3582, 3327..3560		

Seq. No.	33784	Seq. ID	OJ000251_19.0216.C10
Gene No.	70037	Strand	-
Start	4466	End	4867
Name	OJ000251_19.0216.C10.o1.tc	Method	TBLASTX:Cress
Start	3417	End	4547
GI	none	Score	286
Exons	3417..3659, 3418..3645, 3630..3707, 4395..4547		

Seq. No.	33784	Seq. ID	OJ000251_19.0216.C10
Gene No.	70037	Strand	-
Start	4466	End	4867
Name	OJ000251_19.0216.C10.o3.gp	Method	AAT/GAP
Start	4466	End	4867
GI	none	Score	752
Exons	4466..4867		

Seq. No.	33785	Seq. ID	OJ000251_19.0216.C12
Gene No.	70038	Strand	+
Start	1	End	407
Name	OJ000251_19.0216.C12.o1.np	Method	AAT/NAP
Start	1	End	217
GI	320569	Score	225

Exons	1..217		
GI Descrip.	transposon TNT1 - Arabidopsis thaliana (fragment)		
Seq. No.	33785	Seq. ID	OJ000251_19.0216.C12
Gene No.	70038	Strand	+
Start	1	End	407
Name	OJ000251_19.0216.C12.o1.tm	Method	TBLASTX:Maize
Start	2	End	211
GI	none	Score	282
Exons	2..211, 5..205		
Seq. No.	33785	Seq. ID	OJ000251_19.0216.C12
Gene No.	70038	Strand	+
Start	1	End	407
Name	OJ000251_19.0216.C12.o1.gs	Method	GENSCAN
Start	35	End	407
GI	none	Score	.94
Exons	35..101, 268..407		
Seq. No.	33786	Seq. ID	OJ000251_19.0216.C13
Gene No.	70039	Strand	+
Start	910	End	1036
Name	OJ000251_19.0216.C13.o1.gs	Method	GENSCAN
Start	910	End	1036
GI	none	Score	.6
Exons	910..1036		
Seq. No.	33786	Seq. ID	OJ000251_19.0216.C13
Gene No.	70040	Strand	
Start	1871	End	2302
Name	OJ000251_19.0216.C13.o1.tm	Method	TBLASTX:Maize
Start	1871	End	2302
GI	none	Score	65
Exons	1871..1912, 1986..2213, 2231..2302		
Seq. No.	33787	Seq. ID	OJ000251_19.0216.C14
Gene No.	70041	Strand	+
Start	148	End	238
Name	OJ000251_19.0216.C14.o1.gs	Method	GENSCAN
Start	148	End	238
GI	none	Score	.7
Exons	148..238		
Seq. No.	33787	Seq. ID	OJ000251_19.0216.C14
Gene No.	70042	Strand	-
Start	1472	End	4827
Name	OJ000251_19.0216.C14.o2.gs	Method	GENSCAN
Start	1472	End	4827
GI	none	Score	.48
Exons	1472..1582, 2221..2298, 2318..2376, 2460..2541, 3257..3549, 3864..4119, 4211..4472, 4577..4827		
Seq. No.	33787	Seq. ID	OJ000251_19.0216.C14
Gene No.	70043	Strand	-
Start	4858	End	5874
Name	OJ000251_19.0216.C14.o1.tm	Method	TBLASTX:Maize
Start	4832	End	5309

GI	none	Score	57
Exons	4832..4942, 4843..4941, 4945..5151, 4947..5309, 5191..5304		

Seq. No.	33787	Seq. ID	OJ000251_19.0216.C14
Gene No.	70043	Strand	-
Start	4858	End	5874
Name	OJ000251_19.0216.C14.o1.np	Method	AAT/NAP
Start	4858	End	5874
GI	5441880	Score	1151
Exons	4858..5874		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	33788	Seq. ID	OJ000251_19.0216.C15
Gene No.	70044	Strand	-
Start	6499	End	7194
Name	OJ000251_19.0216.C15.o2.gs	Method	GENSCAN
Start	6499	End	7194
GI	none	Score	.53
Exons	6499..6611, 6664..6758, 7121..7194		

Seq. No.	33789	Seq. ID	OJ000251_19.0216.C16
Gene No.	70045	Strand	+
Start	1	End	1369
Name	OJ000251_19.0216.C16.o1.gs	Method	GENSCAN
Start	1	End	1369
GI	none	Score	.63
Exons	1..4, 760..930, 1209..1369		

Seq. No.	33790	Seq. ID	OJ000251_19.0216.C17
Gene No.	70046	Strand	+
Start	1718	End	5592
Name	OJ000251_19.0216.C17.o1.np	Method	AAT/NAP
Start	1718	End	5592
GI	6069646	Score	671
Exons	1718..1752, 4938..5592		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	33790	Seq. ID	OJ000251_19.0216.C17
Gene No.	70047	Strand	-
Start	5139	End	5530
Name	OJ000251_19.0216.C17.o1.tm	Method	TBLASTX:Maize
Start	4950	End	5530
GI	none	Score	323
Exons	4950..5333, 4950..5108, 4985..5110, 5321..5530, 5362..5511		

Seq. No.	33790	Seq. ID	OJ000251_19.0216.C17
Gene No.	70047	Strand	-
Start	5139	End	5530
Name	OJ000251_19.0216.C17.o3.gs	Method	GENSCAN
Start	5139	End	5473
GI	none	Score	.74

Exons	5139..5321, 5402..5473		
Seq. No.	33791	Seq. ID	OJ000251_19.0216.C18
Gene No.	70048	Strand	+
Start	1	End	1322
Name	OJ000251_19.0216.C18.o1.np	Method	AAT/NAP
Start	1	End	1322
GI	6069646	Score	1227
Exons	1..57, 340..1322		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	33791	Seq. ID	OJ000251_19.0216.C18
Gene No.	70048	Strand	+
Start	1	End	1322
Name	OJ000251_19.0216.C18.o1.tw	Method	TBLASTX:Wheat
Start	1	End	360
GI	none	Score	155
Exons	1..222, 3..176, 226..360		
Seq. No.	33791	Seq. ID	OJ000251_19.0216.C18
Gene No.	70048	Strand	+
Start	1	End	1322
Name	OJ000251_19.0216.C18.o1.tm	Method	TBLASTX:Maize
Start	43	End	420
GI	none	Score	334
Exons	43..420, 90..410		
Seq. No.	33791	Seq. ID	OJ000251_19.0216.C18
Gene No.	70048	Strand	+
Start	1	End	1322
Name	OJ000251_19.0216.C18.o1.gs	Method	GENSCAN
Start	197	End	957
GI	none	Score	.51
Exons	197..277, 372..512, 911..957		
Seq. No.	33791	Seq. ID	OJ000251_19.0216.C18
Gene No.	70048	Strand	+
Start	1	End	1322
Name	OJ000251_19.0216.C18.o2.tm	Method	TBLASTX:Maize
Start	752	End	1220
GI	none	Score	278
Exons	752..1084, 814..1065, 1146..1220		
Seq. No.	33791	Seq. ID	OJ000251_19.0216.C18
Gene No.	70048	Strand	+
Start	1	End	1322
Name	OJ000251_19.0216.C18.o2.tw	Method	TBLASTX:Wheat
Start	845	End	1196
GI	none	Score	203
Exons	845..1042, 874..1038, 1161..1196		
Seq. No.	33792	Seq. ID	OJ000251_19.0216.C19
Gene No.	70049	Strand	+

Start	635	End	4171
Name	OJ000251_19.0216.C19.o1.gs	Method	GENSCAN
Start	635	End	4171
GI	none	Score	.81
Exons	635..642, 813..836, 2547..2655, 4145..4171		

Seq. No.	33792	Seq. ID	OJ000251_19.0216.C19
Gene No.	70050	Strand	-
Start	4643	End	4895
Name	OJ000251_19.0216.C19.o2.gs	Method	GENSCAN
Start	4643	End	4895
GI	none	Score	.62
Exons	4643..4713, 4841..4895		

Seq. No.	33793	Seq. ID	OJ000251_19.0216.C21
Gene No.	70051	Strand	-
Start	1	End	1258
Name	OJ000251_19.0216.C21.o1.np	Method	AAT/NAP
Start	1	End	1258
GI	4680204	Score	656
Exons	1..28, 126..1258		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	33793	Seq. ID	OJ000251_19.0216.C21
Gene No.	70052	Strand	-
Start	3113	End	5241
Name	OJ000251_19.0216.C21.o2.tw	Method	TBLASTX:Wheat
Start	236	End	637
GI	none	Score	53
Exons	236..406, 237..353, 396..536, 401..637, 443..637		

Seq. No.	33793	Seq. ID	OJ000251_19.0216.C21
Gene No.	70052	Strand	-
Start	3113	End	5241
Name	OJ000251_19.0216.C21.o2.np	Method	AAT/NAP
Start	2981	End	5241
GI	4680203	Score	742
Exons	2981..3790, 5173..5241		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33793	Seq. ID	OJ000251_19.0216.C21
Gene No.	70052	Strand	-
Start	3113	End	5241
Name	OJ000251_19.0216.C21.o1.tw	Method	TBLASTX:Wheat
Start	3035	End	3784
GI	none	Score	52
Exons	3035..3127, 3036..3101, 3052..3123, 3116..3196, 3144..3197, 3203..3319, 3203..3319, 3210..3350, 3329..3388, 3339..3392, 3395..3436, 3395..3439, 3400..3462, 3434..3784, 3467..3766		

Seq. No.	33793	Seq. ID	OJ000251_19.0216.C21
Gene No.	70052	Strand	-
Start	3113	End	5241
Name	OJ000251_19.0216.C21.o2.gs	Method	GENSCAN
Start	3113	End	4957
GI	none	Score	.82
Exons	3113..3790, 4721..4957		

Seq. No.	33794	Seq. ID	OJ000251_19.0216.C22
Gene No.	70053	Strand	+
Start	1	End	1667
Name	OJ000251_19.0216.C22.o1.np	Method	AAT/NAP
Start	1	End	1667
GI	6063554	Score	141
Exons	1..47, 278..313, 838..867, 1494..1667		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	33794	Seq. ID	OJ000251_19.0216.C22
Gene No.	70054	Strand	-
Start	2308	End	3978
Name	OJ000251_19.0216.C22.o2.np	Method	AAT/NAP
Start	2308	End	3978
GI	6742729	Score	2451
Exons	2308..3978		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	33794	Seq. ID	OJ000251_19.0216.C22
Gene No.	70055	Strand	-
Start	4462	End	5932
Name	OJ000251_19.0216.C22.o1.tw	Method	TBLASTX:Wheat
Start	2355	End	2883
GI	none	Score	511
Exons	2355..2882, 2359..2883		

Seq. No.	33794	Seq. ID	OJ000251_19.0216.C22
Gene No.	70055	Strand	-
Start	4462	End	5932
Name	OJ000251_19.0216.C22.o2.tc	Method	TBLASTX:Cress
Start	2355	End	2595
GI	none	Score	229
Exons	2355..2591, 2356..2595, 2356..2595		

Seq. No.	33794	Seq. ID	OJ000251_19.0216.C22
Gene No.	70055	Strand	-
Start	4462	End	5932
Name	OJ000251_19.0216.C22.o2.tm	Method	TBLASTX:Maize
Start	2526	End	2840
GI	none	Score	132
Exons	2526..2840, 2557..2829		

Seq. No.	33794	Seq. ID	OJ000251_19.0216.C22
Gene No.	70055	Strand	-
Start	4462	End	5932
Name	OJ000251_19.0216.C22.o4.tw	Method	TBLASTX:Wheat
Start	2898	End	3338
GI	none	Score	55
Exons	2898..2981, 2907..3047, 2979..3215, 3036..3206, 3040..3213, 3193..3336, 3222..3338		

Seq. No.	33794	Seq. ID	OJ000251_19.0216.C22
Gene No.	70055	Strand	-
Start	4462	End	5932

Name	OJ000251_19.0216.C22.o1.tm	Method	TBLASTX:Maize
Start	3406	End	3823
GI	none	Score	103
Exons	3406..3561, 3571..3813, 3572..3823		

Seq. No.	33794	Seq. ID	OJ000251_19.0216.C22
Gene No.	70055	Strand	-
Start	4462	End	5932
Name	OJ000251_19.0216.C22.o2.tw	Method	TBLASTX:Wheat
Start	3415	End	3870
GI	none	Score	135
Exons	3415..3630, 3416..3607, 3418..3609, 3608..3700, 3610..3708, 3611..3703, 3712..3816, 3716..3817, 3814..3870, 3818..3862		

Seq. No.	33794	Seq. ID	OJ000251_19.0216.C22
Gene No.	70055	Strand	-
Start	4462	End	5932
Name	OJ000251_19.0216.C22.o1.tc	Method	TBLASTX:Cress
Start	3658	End	4006
GI	none	Score	80
Exons	3658..3999, 3677..3805, 3854..4006		

Seq. No.	33794	Seq. ID	OJ000251_19.0216.C22
Gene No.	70055	Strand	-
Start	4462	End	5932
Name	OJ000251_19.0216.C22.o1.ts	Method	TBLASTX:Soybean
Start	3739	End	4167
GI	none	Score	82
Exons	3739..4035, 3757..3903, 3758..4003, 4030..4092, 4093..4167		

Seq. No.	33794	Seq. ID	OJ000251_19.0216.C22
Gene No.	70055	Strand	-
Start	4462	End	5932
Name	OJ000251_19.0216.C22.o3.tw	Method	TBLASTX:Wheat
Start	4089	End	4440
GI	none	Score	105
Exons	4089..4331, 4095..4340, 4097..4339, 4099..4341, 4100..4342, 4333..4440, 4355..4417		

Seq. No.	33794	Seq. ID	OJ000251_19.0216.C22
Gene No.	70055	Strand	-
Start	4462	End	5932
Name	OJ000251_19.0216.C22.o4.np	Method	AAT/NAP
Start	4462	End	5932
GI	5852182	Score	415
Exons	4462..4791, 5898..5932		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	33795	Seq. ID	OJ000251_19.0216.C23
Gene No.	70056	Strand	+
Start	4676	End	9182
Name	OJ000251_19.0216.C23.o2.np	Method	AAT/NAP
Start	4676	End	9135
GI	3269281	Score	141
Exons	4676..4740, 7591..7833, 9092..9135		
GI Descrip.	(AL030978) putative protein [Arabidopsis thaliana]		

Seq. No.	33795	Seq. ID	OJ000251_19.0216.C23
Gene No.	70056	Strand	+
Start	4676	End	9182
Name	OJ000251_19.0216.C23.o3.gs	Method	GENSCAN
Start	5450	End	9182
GI	none	Score	.47
Exons	5450..5504, 5682..5857, 7462..7493, 7655..7865, 9144..9182		

Seq. No.	33795	Seq. ID	OJ000251_19.0216.C23
Gene No.	70057	Strand	-
Start	2738	End	4428
Name	OJ000251_19.0216.C23.o2.gs	Method	GENSCAN
Start	2738	End	4428
GI	none	Score	.47
Exons	2738..2852, 3723..3914, 3982..4066, 4272..4428		

Seq. No.	33795	Seq. ID	OJ000251_19.0216.C23
Gene No.	70057	Strand	-
Start	2738	End	4428
Name	OJ000251_19.0216.C23.o1.np	Method	AAT/NAP
Start	3159	End	3368
GI	1022811	Score	283
Exons	3159..3368		
GI Descrip.	(U37703) ORF 62 [Hordeum vulgare]		

Seq. No.	33795	Seq. ID	OJ000251_19.0216.C23
Gene No.	70058	Strand	-
Start	11550	End	11615
Name	OJ000251_19.0216.C23.o3.tm	Method	TBLASTX:Maize
Start	1630	End	1849
GI	none	Score	49
Exons	1630..1656, 1631..1654, 1652..1705, 1654..1704, 1694..1849, 1696..1836, 1703..1849		

Seq. No.	33795	Seq. ID	OJ000251_19.0216.C23
Gene No.	70058	Strand	-
Start	11550	End	11615
Name	OJ000251_19.0216.C23.o4.tm	Method	TBLASTX:Maize
Start	2352	End	2718
GI	none	Score	65
Exons	2352..2411, 2390..2413, 2407..2460, 2411..2458, 2447..2566, 2459..2566, 2460..2567, 2461..2571, 2686..2718, 2689..2718		

Seq. No.	33795	Seq. ID	OJ000251_19.0216.C23
Gene No.	70058	Strand	-
Start	11550	End	11615
Name	OJ000251_19.0216.C23.o1.tm	Method	TBLASTX:Maize
Start	3121	End	3441
GI	none	Score	321
Exons	3121..3390, 3151..3441, 3155..3409, 3374..3433, 3391..3441		

Seq. No.	33795	Seq. ID	OJ000251_19.0216.C23
Gene No.	70058	Strand	-
Start	11550	End	11615
Name	OJ000251_19.0216.C23.o1.tc	Method	TBLASTX:Cress
Start	3142	End	3377
GI	none	Score	190

Exons	3142..3372, 3144..3371, 3160..3372, 3312..3377		
Seq. No.	33795	Seq. ID	OJ000251_19.0216.C23
Gene No.	70058	Strand	-
Start	11550	End	11615
Name	OJ000251_19.0216.C23.o1.ts	Method	TBLASTX:Soybean
Start	3151	End	3372
GI	none	Score	266
Exons	3151..3372, 3160..3372		
Seq. No.	33795	Seq. ID	OJ000251_19.0216.C23
Gene No.	70058	Strand	-
Start	11550	End	11615
Name	OJ000251_19.0216.C23.o2.tm	Method	TBLASTX:Maize
Start	7595	End	7826
GI	none	Score	263
Exons	7595..7825, 7596..7826		
Seq. No.	33795	Seq. ID	OJ000251_19.0216.C23
Gene No.	70058	Strand	-
Start	11550	End	11615
Name	OJ000251_19.0216.C23.o1.tw	Method	TBLASTX:Wheat
Start	7662	End	7832
GI	none	Score	185
Exons	7662..7832, 7673..7831		
Seq. No.	33795	Seq. ID	OJ000251_19.0216.C23
Gene No.	70058	Strand	-
Start	11550	End	11615
Name	OJ000251_19.0216.C23.o4.gs	Method	GENSCAN
Start	11550	End	11615
GI	none	Score	.66
Exons	11550..11615		
Seq. No.	33796	Seq. ID	OJ000251_19.0216.C24
Gene No.	70059	Strand	+
Start	391	End	1545
Name	OJ000251_19.0216.C24.o1.gs	Method	GENSCAN
Start	391	End	1545
GI	none	Score	.76
Exons	391..562, 1408..1545		
Seq. No.	33797	Seq. ID	OJ000251_19.0216.C25
Gene No.	70060	Strand	+
Start	300	End	518
Name	OJ000251_19.0216.C25.o1.gs	Method	GENSCAN
Start	300	End	518
GI	none	Score	.94
Exons	300..518		
Seq. No.	33797	Seq. ID	OJ000251_19.0216.C25
Gene No.	70061	Strand	-
Start	2364	End	2520
Name	OJ000251_19.0216.C25.o1.gp	Method	AAT/GAP
Start	2364	End	2520
GI	2338_1.R1084	Score	194
Exons	2364..2520		

GI Descrip. '5803242/dbj|AP000399.1|AP000399 2.0e-40 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'

Seq. No.	33797	Seq. ID	OJ000251_19.0216.C25
Gene No.	70062	Strand	-
Start	3767	End	5549
Name	OJ000251_19.0216.C25.o2.gs	Method	GENSCAN
Start	3767	End	5549
GI	none	Score	.44
Exons	3767..4209, 4945..5075, 5545..5549		

Seq. No.	33798	Seq. ID	OJ000251_19.0216.C26
Gene No.	70063	Strand	+
Start	122	End	642
Name	OJ000251_19.0216.C26.o1.gs	Method	GENSCAN
Start	122	End	642
GI	none	Score	.58
Exons	122..199, 527..642		

Seq. No.	33798	Seq. ID	OJ000251_19.0216.C26
Gene No.	70064	Strand	-
Start	252	End	893
Name	OJ000251_19.0216.C26.o1.np	Method	AAT/NAP
Start	252	End	893
GI	5922619	Score	102
Exons	252..357, 862..893		

GI Descrip. (AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]

Seq. No.	33799	Seq. ID	OJ000251_19.0216.C28
Gene No.	70065	Strand	+
Start	1	End	637
Name	OJ000251_19.0216.C28.o1.np	Method	AAT/NAP
Start	1	End	637
GI	6815099	Score	76
Exons	1..145, 524..637		

GI Descrip. (AP001081) hypothetical protein [Oryza sativa]

Seq. No.	33800	Seq. ID	OJ000251_19.0216.C30
Gene No.	70066	Strand	+
Start	41	End	232
Name	OJ000251_19.0216.C30.o1.gs	Method	GENSCAN
Start	41	End	232
GI	none	Score	.42
Exons	41..113, 132..232		

Seq. No.	33801	Seq. ID	OJ000251_19.0216.C31
Gene No.	70067	Strand	+
Start	77	End	145
Name	OJ000251_19.0216.C31.o1.gs	Method	GENSCAN
Start	77	End	145
GI	none	Score	.99
Exons	77..145		

Seq. No.	33802	Seq. ID	OJ000251_19.0216.C32
Gene No.	70068	Strand	-

Start	1	End	512
Name	OJ000251_19.0216.C32.o1.np	Method	AAT/NAP
Start	1	End	512
GI	4680203	Score	507
Exons	1..512		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33802	Seq. ID	OJ000251_19.0216.C32
Gene No.	70068	Strand	-
Start	1	End	512
Name	OJ000251_19.0216.C32.o1.tw	Method	TBLASTX:Wheat
Start	4	End	512
GI	none	Score	75
Exons	4..69, 5..70, 78..137, 88..141, 144..188, 148..189, 149..211, 183..512, 216..509		

Seq. No.	33802	Seq. ID	OJ000251_19.0216.C32
Gene No.	70068	Strand	-
Start	1	End	512
Name	OJ000251_19.0216.C32.o1.gs	Method	GENSCAN
Start	75	End	374
GI	none	Score	.43
Exons	75..374		

Seq. No.	33803	Seq. ID	OJ000251_19.0216.C37
Gene No.	70069	Strand	+
Start	353	End	1962
Name	OJ000251_19.0216.C37.o1.np	Method	AAT/NAP
Start	353	End	1962
GI	6907090	Score	145
Exons	353..409, 1631..1962		
GI Descrip.	(AP001129) Similar to Oryza sativa root-specific RCc3 mRNA. (L27208)		

Seq. No.	33804	Seq. ID	OJ000251_19.0216.C38
Gene No.	70070	Strand	+
Start	594	End	1500
Name	OJ000251_19.0216.C38.o1.gs	Method	GENSCAN
Start	594	End	1500
GI	none	Score	.54
Exons	594..658, 1020..1048, 1454..1500		

Seq. No.	33805	Seq. ID	OJ000251_19.0216.C39
Gene No.	70071	Strand	+
Start	3688	End	4474
Name	OJ000251_19.0216.C39.o2.gs	Method	GENSCAN
Start	3688	End	4474
GI	none	Score	.63
Exons	3688..4474		

Seq. No.	33805	Seq. ID	OJ000251_19.0216.C39
Gene No.	70072	Strand	-
Start	68	End	1430
Name	OJ000251_19.0216.C39.o1.gs	Method	GENSCAN
Start	68	End	1430
GI	none	Score	.82
Exons	68..299, 404..535, 1259..1397, 1425..1430		

Seq. No.	33805	Seq. ID	OJ000251_19.0216.C39
Gene No.	70073	Strand	
Start	4039	End	4443
Name	OJ000251_19.0216.C39.o1.tw	Method	TBLASTX:Wheat
Start	4039	End	4443
GI	none	Score	120
Exons	4039..4182, 4061..4183, 4062..4199, 4168..4341, 4185..4301, 4228..4443		

Seq. No.	33806	Seq. ID	OJ000251_19.0216.C40
Gene No.	70074	Strand	+
Start	1	End	1516
Name	OJ000251_19.0216.C40.o1.np	Method	AAT/NAP
Start	1	End	1516
GI	4388818	Score	1064
Exons	1..1516		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	33806	Seq. ID	OJ000251_19.0216.C40
Gene No.	70074	Strand	+
Start	1	End	1516
Name	OJ000251_19.0216.C40.o1.tm	Method	TBLASTX:Maize
Start	603	End	1097
GI	none	Score	337
Exons	603..1097, 884..1051		

Seq. No.	33806	Seq. ID	OJ000251_19.0216.C40
Gene No.	70074	Strand	+
Start	1	End	1516
Name	OJ000251_19.0216.C40.o1.tw	Method	TBLASTX:Wheat
Start	627	End	1277
GI	none	Score	341
Exons	627..1064, 644..1063, 1083..1154, 1173..1277		

Seq. No.	33806	Seq. ID	OJ000251_19.0216.C40
Gene No.	70074	Strand	+
Start	1	End	1516
Name	OJ000251_19.0216.C40.o1.ts	Method	TBLASTX:Soybean
Start	846	End	1298
GI	none	Score	262
Exons	846..1175, 875..985, 1004..1174, 1160..1297, 1161..1298		

Seq. No.	33806	Seq. ID	OJ000251_19.0216.C40
Gene No.	70074	Strand	+
Start	1	End	1516
Name	OJ000251_19.0216.C40.o1.tc	Method	TBLASTX:Cress
Start	879	End	1342
GI	none	Score	172
Exons	879..1157, 1173..1340, 1175..1342		

Seq. No.	33807	Seq. ID	OJ000251_19.0216.C41
Gene No.	70075	Strand	+
Start	1	End	1278
Name	OJ000251_19.0216.C41.o1.np	Method	AAT/NAP
Start	1	End	1278

GI	4388818	Score	1156
Exons	1..1278		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	33807	Seq. ID	OJ000251_19.0216.C41
Gene No.	70075	Strand	+
Start	1	End	1278
Name	OJ000251_19.0216.C41.o2.tw	Method	TBLASTX:Wheat
Start	2	End	247
GI	none	Score	262
Exons	2..247, 3..236		

Seq. No.	33807	Seq. ID	OJ000251_19.0216.C41
Gene No.	70075	Strand	+
Start	1	End	1278
Name	OJ000251_19.0216.C41.o1.gs	Method	GENSCAN
Start	135	End	1269
GI	none	Score	.5
Exons	135..1269		

Seq. No.	33807	Seq. ID	OJ000251_19.0216.C41
Gene No.	70075	Strand	+
Start	1	End	1278
Name	OJ000251_19.0216.C41.o1.tc	Method	TBLASTX:Cress
Start	189	End	461
GI	none	Score	43
Exons	189..227, 255..461, 258..332, 260..427		

Seq. No.	33807	Seq. ID	OJ000251_19.0216.C41
Gene No.	70075	Strand	+
Start	1	End	1278
Name	OJ000251_19.0216.C41.o2.tm	Method	TBLASTX:Maize
Start	257	End	692
GI	none	Score	323
Exons	257..550, 261..692		

Seq. No.	33807	Seq. ID	OJ000251_19.0216.C41
Gene No.	70075	Strand	+
Start	1	End	1278
Name	OJ000251_19.0216.C41.o1.tw	Method	TBLASTX:Wheat
Start	258	End	1037
GI	none	Score	334
Exons	258..587, 260..571, 603..1037, 905..1036		

Seq. No.	33807	Seq. ID	OJ000251_19.0216.C41
Gene No.	70075	Strand	+
Start	1	End	1278
Name	OJ000251_19.0216.C41.o1.ts	Method	TBLASTX:Soybean
Start	279	End	669
GI	none	Score	394
Exons	279..668, 290..571, 417..620, 418..669		

Seq. No.	33807	Seq. ID	OJ000251_19.0216.C41
Gene No.	70075	Strand	+
Start	1	End	1278
Name	OJ000251_19.0216.C41.o1.tm	Method	TBLASTX:Maize

Start	699	End	1127
GI	none	Score	107
Exons	699..848, 810..1127, 810..1109, 824..1117		

Seq. No.	33808	Seq. ID	OJ000251_19.0216.C44
Gene No.	70076	Strand	-
Start	787	End	1239
Name	OJ000251_19.0216.C44.o1.gs	Method	GENSCAN
Start	787	End	1239
GI	none	Score	.71
Exons	787..799, 1130..1239		

Seq. No.	33809	Seq. ID	OJ000251_19.0216.C45
Gene No.	70077	Strand	+
Start	763	End	1286
Name	OJ000251_19.0216.C45.o1.gp	Method	AAT/GAP
Start	763	End	1286
GI	LIB3434-038-P1-K1-F1	Score	744
Exons	763..1286		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	33809	Seq. ID	OJ000251_19.0216.C45
Gene No.	70078	Strand	-
Start	576	End	666
Name	OJ000251_19.0216.C45.o1.gs	Method	GENSCAN
Start	576	End	666
GI	none	Score	.65
Exons	576..666		

Seq. No.	33810	Seq. ID	OJ000251_19.0216.C46
Gene No.	70079	Strand	-
Start	1	End	692
Name	OJ000251_19.0216.C46.o1.np	Method	AAT/NAP
Start	1	End	692
GI	6143896	Score	105
Exons	1..215, 580..692		
GI Descrip.	(AC010718) putative translation initiation factor IF-2 [Arabidopsis thaliana]		

Seq. No.	33810	Seq. ID	OJ000251_19.0216.C46
Gene No.	70079	Strand	-
Start	1	End	692
Name	OJ000251_19.0216.C46.o1.gs	Method	GENSCAN
Start	90	End	215
GI	none	Score	.81
Exons	90..215		

Seq. No.	33811	Seq. ID	OJ000251_19.0216.C47
Gene No.	70080	Strand	+
Start	2740	End	4792
Name	OJ000251_19.0216.C47.o1.gs	Method	GENSCAN
Start	2740	End	4788
GI	none	Score	.74
Exons	2740..2925, 3345..3483, 3577..3795, 3953..4059, 4158..4532, 4549..4632, 4660..4788		

Seq. No.	33811	Seq. ID	OJ000251_19.0216.C47
Gene No.	70080	Strand	+
Start	2740	End	4792
Name	OJ000251_19.0216.C47.o1.np	Method	AAT/NAP
Start	2779	End	4792
GI	4335747	Score	1184
Exons	2779..2976, 3345..3483, 3577..3766, 3953..4059, 4158..4532, 4643..4792		
GI Descrip.	(AC006284) putative integral membrane protein [Arabidopsis thaliana]		

Seq. No.	33811	Seq. ID	OJ000251_19.0216.C47
Gene No.	70081	Strand	-
Start	5037	End	9141
Name	OJ000251_19.0216.C47.o2.ts	Method	TBLASTX:Soybean
Start	2730	End	4795
GI	none	Score	277
Exons	2730..2981, 2731..2976, 3342..3488, 3344..3487, 3575..3688, 3576..3719, 3997..4062, 4155..4463, 4157..4291, 4349..4531, 4408..4533, 4418..4534, 4640..4795, 4640..4747, 4642..4794		

Seq. No.	33811	Seq. ID	OJ000251_19.0216.C47
Gene No.	70081	Strand	-
Start	5037	End	9141
Name	OJ000251_19.0216.C47.o3.tm	Method	TBLASTX:Maize
Start	2739	End	2976
GI	none	Score	342
Exons	2739..2963, 2740..2976, 2809..2976		

Seq. No.	33811	Seq. ID	OJ000251_19.0216.C47
Gene No.	70081	Strand	-
Start	5037	End	9141
Name	OJ000251_19.0216.C47.o1.tc	Method	TBLASTX:Cress
Start	2740	End	2987
GI	none	Score	271
Exons	2740..2979, 2745..2987		

Seq. No.	33811	Seq. ID	OJ000251_19.0216.C47
Gene No.	70081	Strand	-
Start	5037	End	9141
Name	OJ000251_19.0216.C47.o2.tm	Method	TBLASTX:Maize
Start	3321	End	3740
GI	none	Score	179
Exons	3321..3488, 3347..3487, 3575..3688, 3576..3740		

Seq. No.	33811	Seq. ID	OJ000251_19.0216.C47
Gene No.	70081	Strand	-
Start	5037	End	9141
Name	OJ000251_19.0216.C47.o4.tc	Method	TBLASTX:Cress
Start	3342	End	3617
GI	none	Score	188
Exons	3342..3488, 3344..3487, 3575..3616, 3576..3617		

Seq. No.	33811	Seq. ID	OJ000251_19.0216.C47
Gene No.	70081	Strand	-
Start	5037	End	9141
Name	OJ000251_19.0216.C47.o4.tm	Method	TBLASTX:Maize

Start	4006	End	4412
GI	none	Score	54
Exons	4006..4062, 4155..4412, 4157..4291, 4158..4412		

Seq. No.	33811	Seq. ID	OJ000251_19.0216.C47
Gene No.	70081	Strand	-
Start	5037	End	9141
Name	OJ000251_19.0216.C47.o2.tc	Method	TBLASTX:Cress
Start	4248	End	4795
GI	none	Score	250
Exons	4248..4463, 4251..4499, 4420..4527, 4420..4533, 4421..4534, 4635..4772, 4636..4794, 4640..4795		

Seq. No.	33811	Seq. ID	OJ000251_19.0216.C47
Gene No.	70081	Strand	-
Start	5037	End	9141
Name	OJ000251_19.0216.C47.o2.gs	Method	GENSCAN
Start	5037	End	9141
GI	none	Score	.78
Exons	5037..5102, 5190..5309, 5392..5517, 5882..6457, 6536..6595, 7406..7471, 7563..7673, 7802..7892, 8002..8102, 8307..8494, 8512..9141		

Seq. No.	33811	Seq. ID	OJ000251_19.0216.C47
Gene No.	70081	Strand	-
Start	5037	End	9141
Name	OJ000251_19.0216.C47.o2.np	Method	AAT/NAP
Start	5178	End	8811
GI	6143897	Score	1381
Exons	5178..5292, 5378..5517, 5882..6457, 6536..6595, 7406..7471, 7563..7673, 7802..7892, 8002..8102, 8199..8811		
GI Descrip.	(AC010718) putative translation initiation factor IF-2 [Arabidopsis thaliana]		

Seq. No.	33811	Seq. ID	OJ000251_19.0216.C47
Gene No.	70081	Strand	-
Start	5037	End	9141
Name	OJ000251_19.0216.C47.o1.tm	Method	TBLASTX:Maize
Start	5190	End	8397
GI	none	Score	280
Exons	5190..5312, 5865..6311, 5879..6331, 5915..6400, 5922..6404, 6398..6469, 6436..6468, 6536..6601, 6540..6596, 7406..7477, 7563..7715, 7564..7704, 7775..7894, 7806..7841, 7857..7895, 8004..8105, 8004..8102, 8190..8396, 8193..8396, 8203..8397		

Seq. No.	33811	Seq. ID	OJ000251_19.0216.C47
Gene No.	70081	Strand	-
Start	5037	End	9141
Name	OJ000251_19.0216.C47.o2.tw	Method	TBLASTX:Wheat
Start	5915	End	6235
GI	none	Score	80
Exons	5915..6043, 5922..6044, 6047..6229, 6047..6235, 6054..6233		

Seq. No.	33811	Seq. ID	OJ000251_19.0216.C47
Gene No.	70081	Strand	-
Start	5037	End	9141
Name	OJ000251_19.0216.C47.o3.ts	Method	TBLASTX:Soybean

Start	5915	End	6137
GI	none	Score	149
Exons	5915..6136, 5922..6137		

Seq. No.	33811	Seq. ID	OJ000251_19.0216.C47
Gene No.	70081	Strand	-
Start	5037	End	9141
Name	OJ000251_19.0216.C47.o1.ts	Method	TBLASTX:Soybean
Start	6398	End	8465
GI	none	Score	69
Exons	6398..6475, 6536..6601, 7406..7477, 7407..7472, 7563..7676, 7564..7674, 7775..7894, 7829..7894, 8002..8097, 8004..8105, 8193..8405, 8199..8402, 8203..8403, 8406..8465		

Seq. No.	33811	Seq. ID	OJ000251_19.0216.C47
Gene No.	70081	Strand	-
Start	5037	End	9141
Name	OJ000251_19.0216.C47.o1.tw	Method	TBLASTX:Wheat
Start	7596	End	8388
GI	none	Score	75
Exons	7596..7715, 7600..7704, 7775..7894, 7806..7895, 8002..8100, 8004..8105, 8004..8102, 8193..8387, 8203..8388		

Seq. No.	33811	Seq. ID	OJ000251_19.0216.C47
Gene No.	70081	Strand	-
Start	5037	End	9141
Name	OJ000251_19.0216.C47.o3.tc	Method	TBLASTX:Cress
Start	8004	End	8379
GI	none	Score	49
Exons	8004..8108, 8043..8111, 8193..8378, 8205..8327, 8206..8379		

Seq. No.	33811	Seq. ID	OJ000251_19.0216.C47
Gene No.	70081	Strand	-
Start	5037	End	9141
Name	OJ000251_19.0216.C47.o5.tm	Method	TBLASTX:Maize
Start	8480	End	8701
GI	none	Score	156
Exons	8480..8686, 8523..8675, 8531..8701		

Seq. No.	33812	Seq. ID	OJ000251_19.0216.C48
Gene No.	70082	Strand	+
Start	1	End	2752
Name	OJ000251_19.0216.C48.o1.np	Method	AAT/NAP
Start	1	End	2752
GI	100210	Score	140
Exons	1..319, 2616..2752		
GI Descrip.	extensin precursor (clone Tom L-4) - tomato gi|170444 (M76671) extensin (class II) [Lycopersicon esculentum]		

Seq. No.	33812	Seq. ID	OJ000251_19.0216.C48
Gene No.	70083	Strand	+
Start	3500	End	4065
Name	OJ000251_19.0216.C48.o2.np	Method	AAT/NAP
Start	3500	End	4065
GI	6815109	Score	142
Exons	3500..4065		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	33813	Seq. ID	OJ000251_19.0216.C53
Gene No.	70084	Strand	-
Start	93	End	263
Name	OJ000251_19.0216.C53.o1.gs	Method	GENSCAN
Start	93	End	263
GI	none	Score	.51
Exons	93..263		

Seq. No.	33814	Seq. ID	OJ000251_19.0216.C59
Gene No.	70085	Strand	-
Start	1100	End	1314
Name	OJ000251_19.0216.C59.o1.gs	Method	GENSCAN
Start	1100	End	1314
GI	none	Score	.76
Exons	1100..1186, 1261..1314		

Seq. No.	33815	Seq. ID	OJ000251_19.0216.C60
Gene No.	70086	Strand	+
Start	203	End	745
Name	OJ000251_19.0216.C60.o1.gs	Method	GENSCAN
Start	203	End	745
GI	none	Score	.63
Exons	203..244, 635..745		

Seq. No.	33815	Seq. ID	OJ000251_19.0216.C60
Gene No.	70087	Strand	-
Start	956	End	3049
Name	OJ000251_19.0216.C60.o2.gs	Method	GENSCAN
Start	956	End	3049
GI	none	Score	.74
Exons	956..978, 1447..1654, 2921..3049		

Seq. No.	33816	Seq. ID	OJ000251_19.0216.C72
Gene No.	70088	Strand	+
Start	157	End	515
Name	OJ000251_19.0216.C72.o1.gs	Method	GENSCAN
Start	157	End	515
GI	none	Score	.54
Exons	157..159, 383..515		

Seq. No.	33817	Seq. ID	OJ000251_19.0216.C73
Gene No.	70089	Strand	-
Start	1	End	214
Name	OJ000251_19.0216.C73.o1.np	Method	AAT/NAP
Start	1	End	214
GI	4680179	Score	320
Exons	1..214		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33817	Seq. ID	OJ000251_19.0216.C73
Gene No.	70089	Strand	-
Start	1	End	214
Name	OJ000251_19.0216.C73.o1.tw	Method	TBLASTX:Wheat
Start	2	End	184
GI	none	Score	42
Exons	2..184, 72..152		

Seq. No.	33817	Seq. ID	OJ000251_19.0216.C73
Gene No.	70089	Strand	-
Start	1	End	214
Name	OJ000251_19.0216.C73.o1.gs	Method	GENSCAN
Start	38	End	190
GI	none	Score	.91
Exons	38..190		

Seq. No.	33818	Seq. ID	OJ000251_19.0216.C75
Gene No.	70090	Strand	+
Start	1241	End	1374
Name	OJ000251_19.0216.C75.o1.np	Method	AAT/NAP
Start	1241	End	1374
GI	5902444	Score	172
Exons	1241..1374		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	33818	Seq. ID	OJ000251_19.0216.C75
Gene No.	70091	Strand	-
Start	461	End	1272
Name	OJ000251_19.0216.C75.o1.gs	Method	GENSCAN
Start	461	End	1272
GI	none	Score	.61
Exons	461..486, 698..776, 1105..1272		

Seq. No.	33819	Seq. ID	OJ000251_19.0216.C76
Gene No.	70092	Strand	+
Start	1	End	528
Name	OJ000251_19.0216.C76.o1.np	Method	AAT/NAP
Start	1	End	528
GI	4680183	Score	863
Exons	1..528		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	33819	Seq. ID	OJ000251_19.0216.C76
Gene No.	70092	Strand	+
Start	1	End	528
Name	OJ000251_19.0216.C76.o1.tw	Method	TBLASTX:Wheat
Start	6	End	347
GI	none	Score	213
Exons	6..347		

Seq. No.	33819	Seq. ID	OJ000251_19.0216.C76
Gene No.	70092	Strand	+
Start	1	End	528
Name	OJ000251_19.0216.C76.o1.gs	Method	GENSCAN
Start	60	End	510
GI	none	Score	.67
Exons	60..221, 288..510		

Seq. No.	33820	Seq. ID	OJ000251_19.0216.C77
Gene No.	70093	Strand	+
Start	1	End	233
Name	OJ000251_19.0216.C77.o1.np	Method	AAT/NAP
Start	1	End	206
GI	4680186	Score	245

Exons	1..206		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	33820	Seq. ID	OJ000251_19.0216.C77
Gene No.	70093	Strand	+
Start	1	End	233
Name	OJ000251_19.0216.C77.o1.gs	Method	GENSCAN
Start	95	End	233
GI	none	Score	.83
Exons	95..233		
Seq. No.	33820	Seq. ID	OJ000251_19.0216.C77
Gene No.	70094	Strand	-
Start	1	End	135
Name	OJ000251_19.0216.C77.o1.gp	Method	AAT/GAP
Start	1	End	135
GI	uC-osflcyp033a04b1	Score	249
Exons	1..135		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	33821	Seq. ID	OJ000251_19.0216.C78
Gene No.	70095	Strand	-
Start	1	End	650
Name	OJ000251_19.0216.C78.o1.np	Method	AAT/NAP
Start	1	End	650
GI	2746847	Score	422
Exons	1..650		
GI Descrip.	(AF040649) contains similarity to helicases [Caenorhabditis elegans]		
Seq. No.	33822	Seq. ID	OJ000251_19.0216.C80
Gene No.	70096	Strand	-
Start	1305	End	1703
Name	OJ000251_19.0216.C80.o1.gs	Method	GENSCAN
Start	1305	End	1703
GI	none	Score	.57
Exons	1305..1354, 1409..1457, 1624..1703		
Seq. No.	33823	Seq. ID	OJ000251_19.0216.C81
Gene No.	70097	Strand	+
Start	1	End	413
Name	OJ000251_19.0216.C81.o1.np	Method	AAT/NAP
Start	1	End	413
GI	5852179	Score	288
Exons	1..46, 219..413		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		
Seq. No.	33824	Seq. ID	OJ000251_19.0216.C82
Gene No.	70098	Strand	-
Start	1	End	650
Name	OJ000251_19.0216.C82.o1.np	Method	AAT/NAP
Start	1	End	650
GI	1709396	Score	94
Exons	1..234, 627..650		
GI Descrip.	NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 5 gi|604924 (U17011) NADH dehydrogenase, subunit 5 [Rhizopus stolonifer]		

Seq. No.	33825	Seq. ID	OJ000251_19.0216.C84
Gene No.	70099	Strand	+
Start	1	End	153
Name	OJ000251_19.0216.C84.o1.np	Method	AAT/NAP
Start	1	End	153
GI	1237250	Score	215
Exons	1..153		
GI Descrip.	(X96784) cytochrome P450 [Nicotiana tabacum]		

Seq. No.	33825	Seq. ID	OJ000251_19.0216.C84
Gene No.	70099	Strand	+
Start	1	End	153
Name	OJ000251_19.0216.C84.o1.ts	Method	TBLASTX:Soybean
Start	1	End	153
GI	none	Score	197
Exons	1..153, 9..152		

Seq. No.	33825	Seq. ID	OJ000251_19.0216.C84
Gene No.	70099	Strand	+
Start	1	End	153
Name	OJ000251_19.0216.C84.o1.tm	Method	TBLASTX:Maize
Start	1	End	153
GI	none	Score	217
Exons	1..153, 6..152		

Seq. No.	33825	Seq. ID	OJ000251_19.0216.C84
Gene No.	70099	Strand	+
Start	1	End	153
Name	OJ000251_19.0216.C84.o1.gs	Method	GENSCAN
Start	4	End	143
GI	none	Score	.89
Exons	4..143		

Seq. No.	33826	Seq. ID	OJ000251_19.0216.C86
Gene No.	70100	Strand	+
Start	62	End	464
Name	OJ000251_19.0216.C86.o1.gs	Method	GENSCAN
Start	62	End	464
GI	none	Score	.55
Exons	62..71, 436..464		

Seq. No.	33826	Seq. ID	OJ000251_19.0216.C86
Gene No.	70101	Strand	+
Start	704	End	2051
Name	OJ000251_19.0216.C86.o1.np	Method	AAT/NAP
Start	704	End	2051
GI	1169030	Score	2273
Exons	704..2051		
GI Descrip.	CYTOCHROME C OXIDASE POLYPEPTIDE I gi|66230|pir||ODRZ1 cytochrome-c oxidase (EC 1.9.3.1) chain I - rice mitochondrion gi|13219|emb|CAA34122| (X15990) cytochrome oxidase subunit I [Oryza sativa]		

Seq. No.	33826	Seq. ID	OJ000251_19.0216.C86
Gene No.	70101	Strand	+
Start	704	End	2051

Name	OJ000251_19.0216.C86.o1.tm	Method	TBLASTX:Maize
Start	1513	End	1858
GI	none	Score	295
Exons	1513..1857, 1514..1858		

Seq. No.	33827	Seq. ID	OJ000251_19.0216.C87
Gene No.	70102	Strand	-
Start	209	End	283
Name	OJ000251_19.0216.C87.o1.np	Method	AAT/NAP
Start	209	End	283
GI	4164413	Score	106
Exons	209..283		
GI Descrip.	(AJ132231) ribosomal protein S14 [Pisum sativum]		

Seq. No.	33828	Seq. ID	OJ000251_19.0216.C89
Gene No.	70103	Strand	+
Start	1	End	514
Name	OJ000251_19.0216.C89.o1.np	Method	AAT/NAP
Start	1	End	514
GI	4680203	Score	160
Exons	1..372, 471..514		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	33828	Seq. ID	OJ000251_19.0216.C89
Gene No.	70103	Strand	+
Start	1	End	514
Name	OJ000251_19.0216.C89.o1.gs	Method	GENSCAN
Start	81	End	332
GI	none	Score	.79
Exons	81..332		

Seq. No.	33829	Seq. ID	OJ000251_19.0216.C90
Gene No.	70104	Strand	+
Start	157	End	376
Name	OJ000251_19.0216.C90.o1.gs	Method	GENSCAN
Start	157	End	376
GI	none	Score	.82
Exons	157..376		

Seq. No.	33830	Seq. ID	OJ000251_19.0216.C92
Gene No.	70105	Strand	-
Start	1	End	257
Name	OJ000251_19.0216.C92.o1.np	Method	AAT/NAP
Start	1	End	257
GI	4680179	Score	437
Exons	1..257		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33830	Seq. ID	OJ000251_19.0216.C92
Gene No.	70105	Strand	-
Start	1	End	257
Name	OJ000251_19.0216.C92.o1.tm	Method	TBLASTX:Maize
Start	1	End	222
GI	none	Score	177
Exons	1..222, 8..220		

Seq. No.	33830	Seq. ID	OJ000251_19.0216.C92

Gene No.	70105	Strand	-
Start	1	End	257
Name	OJ000251_19.0216.C92.o1.ts	Method	TBLASTX:Soybean
Start	1	End	225
GI	none	Score	120
Exons	1..225, 2..220		

Seq. No.	33830	Seq. ID	OJ000251_19.0216.C92
Gene No.	70105	Strand	-
Start	1	End	257
Name	OJ000251_19.0216.C92.o1.tw	Method	TBLASTX:Wheat
Start	13	End	256
GI	none	Score	222
Exons	13..255, 14..256		

Seq. No.	33831	Seq. ID	OJ000251_19.0216.C93
Gene No.	70106	Strand	-
Start	1	End	420
Name	OJ000251_19.0216.C93.o1.np	Method	AAT/NAP
Start	1	End	420
GI	4680179	Score	715
Exons	1..420		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33831	Seq. ID	OJ000251_19.0216.C93
Gene No.	70106	Strand	-
Start	1	End	420
Name	OJ000251_19.0216.C93.o1.gs	Method	GENSCAN
Start	22	End	420
GI	none	Score	.97
Exons	22..420		

Seq. No.	33832	Seq. ID	OJ000251_19.0216.C94
Gene No.	70107	Strand	-
Start	1	End	589
Name	OJ000251_19.0216.C94.o1.np	Method	AAT/NAP
Start	1	End	228
GI	5902445	Score	399
Exons	1..228		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	33832	Seq. ID	OJ000251_19.0216.C94
Gene No.	70107	Strand	-
Start	1	End	589
Name	OJ000251_19.0216.C94.o1.tw	Method	TBLASTX:Wheat
Start	1	End	318
GI	none	Score	222
Exons	1..318, 2..304		

Seq. No.	33832	Seq. ID	OJ000251_19.0216.C94
Gene No.	70107	Strand	-
Start	1	End	589
Name	OJ000251_19.0216.C94.o1.gs	Method	GENSCAN
Start	8	End	573
GI	none	Score	.51
Exons	8..211, 308..573		

Seq. No.	33832	Seq. ID	OJ000251_19.0216.C94
Gene No.	70107	Strand	-
Start	1	End	589
Name	OJ000251_19.0216.C94.o2.np	Method	AAT/NAP
Start	295	End	589
GI	5902444	Score	463
Exons	295..589		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	33833	Seq. ID	OJ000251_19.0216.C97
Gene No.	70108	Strand	-
Start	1	End	355
Name	OJ000251_19.0216.C97.o1.np	Method	AAT/NAP
Start	1	End	355
GI	4680180	Score	605
Exons	1..355		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33833	Seq. ID	OJ000251_19.0216.C97
Gene No.	70108	Strand	-
Start	1	End	355
Name	OJ000251_19.0216.C97.o1.tw	Method	TBLASTX:Wheat
Start	3	End	351
GI	none	Score	111
Exons	3..347, 15..347, 16..351		

Seq. No.	33833	Seq. ID	OJ000251_19.0216.C97
Gene No.	70108	Strand	-
Start	1	End	355
Name	OJ000251_19.0216.C97.o1.gs	Method	GENSCAN
Start	30	End	308
GI	none	Score	.74
Exons	30..308		

Seq. No.	33833	Seq. ID	OJ000251_19.0216.C97
Gene No.	70108	Strand	-
Start	1	End	355
Name	OJ000251_19.0216.C97.o1.tm	Method	TBLASTX:Maize
Start	70	End	354
GI	none	Score	92
Exons	70..213, 72..185, 180..353, 196..354		

Seq. No.	33834	Seq. ID	OJ000251_19.0216.C99
Gene No.	70109	Strand	-
Start	1	End	985
Name	OJ000251_19.0216.C99.o1.np	Method	AAT/NAP
Start	1	End	985
GI	4680179	Score	1666
Exons	1..985		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33834	Seq. ID	OJ000251_19.0216.C99
Gene No.	70109	Strand	-
Start	1	End	985
Name	OJ000251_19.0216.C99.o2.tw	Method	TBLASTX:Wheat
Start	1	End	362
GI	none	Score	238

Exons	1..330, 3..362, 260..361		
Seq. No.	33834	Seq. ID	OJ000251_19.0216.C99
Gene No.	70109	Strand	-
Start	1	End	985
Name	OJ000251_19.0216.C99.o1.gs	Method	GENSCAN
Start	12	End	923
GI	none	Score	.59
Exons	12..923		
Seq. No.	33834	Seq. ID	OJ000251_19.0216.C99
Gene No.	70109	Strand	-
Start	1	End	985
Name	OJ000251_19.0216.C99.o1.tm	Method	TBLASTX:Maize
Start	24	End	524
GI	none	Score	43
Exons	24..359, 67..117, 105..272, 142..273, 345..524		
Seq. No.	33834	Seq. ID	OJ000251_19.0216.C99
Gene No.	70109	Strand	-
Start	1	End	985
Name	OJ000251_19.0216.C99.o1.ts	Method	TBLASTX:Soybean
Start	74	End	470
GI	none	Score	73
Exons	74..205, 75..179, 75..434, 76..330, 354..434, 426..470, 438..470		
Seq. No.	33834	Seq. ID	OJ000251_19.0216.C99
Gene No.	70109	Strand	-
Start	1	End	985
Name	OJ000251_19.0216.C99.o1.tw	Method	TBLASTX:Wheat
Start	411	End	893
GI	none	Score	181
Exons	411..893, 420..782, 454..789		
Seq. No.	33834	Seq. ID	OJ000251_19.0216.C99
Gene No.	70109	Strand	-
Start	1	End	985
Name	OJ000251_19.0216.C99.o2.ts	Method	TBLASTX:Soybean
Start	543	End	857
GI	none	Score	59
Exons	543..857, 544..741		
Seq. No.	33834	Seq. ID	OJ000251_19.0216.C99
Gene No.	70109	Strand	-
Start	1	End	985
Name	OJ000251_19.0216.C99.o2.tm	Method	TBLASTX:Maize
Start	592	End	881
GI	none	Score	165
Exons	592..783, 594..881, 623..850		
Seq. No.	33835	Seq. ID	OJ000251_19.0216.C100
Gene No.	70110	Strand	-
Start	1	End	1678
Name	OJ000251_19.0216.C100.o1.np	Method	AAT/NAP
Start	1	End	250
GI	5042448	Score	419
Exons	1..250		

GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		
Seq. No.	33835	Seq. ID	OJ000251_19.0216.C100
Gene No.	70110	Strand	-
Start	1	End	1678
Name	OJ000251_19.0216.C100.o2.np	Method	AAT/NAP
Start	1	End	1678
GI	6721561	Score	84
Exons	1..160, 1571..1678		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	33835	Seq. ID	OJ000251_19.0216.C100
Gene No.	70110	Strand	-
Start	1	End	1678
Name	OJ000251_19.0216.C100.o1.gs	Method	GENSCAN
Start	18	End	1678
GI	none	Score	.48
Exons	18..316, 1574..1678		
Seq. No.	33836	Seq. ID	OJ000251_19.0216.C101
Gene No.	70111	Strand	+
Start	1	End	211
Name	OJ000251_19.0216.C101.o1.np	Method	AAT/NAP
Start	1	End	211
GI	6721559	Score	124
Exons	1..47, 76..211		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	33837	Seq. ID	OJ000251_19.0216.C103
Gene No.	70112	Strand	+
Start	29	End	294
Name	OJ000251_19.0216.C103.o1.gs	Method	GENSCAN
Start	29	End	294
GI	none	Score	.7
Exons	29..161, 188..294		
Seq. No.	33838	Seq. ID	OJ000251_19.0216.C105
Gene No.	70113	Strand	-
Start	220	End	451
Name	OJ000251_19.0216.C105.o1.tw	Method	TBLASTX:Wheat
Start	70	End	414
GI	none	Score	112
Exons	70..252, 83..253, 256..312, 301..414, 320..403		
Seq. No.	33838	Seq. ID	OJ000251_19.0216.C105
Gene No.	70113	Strand	-
Start	220	End	451
Name	OJ000251_19.0216.C105.o1.gs	Method	GENSCAN
Start	220	End	451
GI	none	Score	1

Exons	220..451		
Seq. No.	33839	Seq. ID	OJ000251_19.0216.C106
Gene No.	70114	Strand	-
Start	17	End	184
Name	OJ000251_19.0216.C106.o1.gs	Method	GENSCAN
Start	17	End	184
GI	none	Score	.97
Exons	17..184		
Seq. No.	33840	Seq. ID	OJ000251_19.0216.C108
Gene No.	70115	Strand	-
Start	207	End	606
Name	OJ000251_19.0216.C108.o1.np	Method	AAT/NAP
Start	207	End	606
GI	82484	Score	592
Exons	207..606		
GI Descrip.	hypothetical protein 1 - rice gi|20382|emb|CAA29825| (X06611) put. ORF 2 [Oryza sativa]		
Seq. No.	33840	Seq. ID	OJ000251_19.0216.C108
Gene No.	70115	Strand	-
Start	207	End	606
Name	OJ000251_19.0216.C108.o1.gs	Method	GENSCAN
Start	213	End	470
GI	none	Score	.72
Exons	213..470		
Seq. No.	33841	Seq. ID	OJ000251_12.0217.C1
Gene No.	70116	Strand	+
Start	1	End	725
Name	OJ000251_12.0217.C1.o1.np	Method	AAT/NAP
Start	1	End	725
GI	6562297	Score	148
Exons	1..83, 180..216, 630..725		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		
Seq. No.	33842	Seq. ID	OJ000251_12.0217.C2
Gene No.	70117	Strand	+
Start	172	End	245
Name	OJ000251_12.0217.C2.o1.gs	Method	GENSCAN
Start	172	End	245
GI	none	Score	.99
Exons	172..245		
Seq. No.	33843	Seq. ID	OJ000251_12.0217.C5
Gene No.	70118	Strand	-
Start	356	End	850
Name	OJ000251_12.0217.C5.o1.gs	Method	GENSCAN
Start	356	End	850
GI	none	Score	.92
Exons	356..850		
Seq. No.	33844	Seq. ID	OJ000251_12.0217.C8
Gene No.	70119	Strand	-
Start	518	End	635
Name	OJ000251_12.0217.C8.o1.gs	Method	GENSCAN

Start	518	End	635
GI	none	Score	.97
Exons	518..635		

Seq. No.	33845	Seq. ID	OJ000251_12.0217.C9
Gene No.	70120	Strand	+
Start	1007	End	1967
Name	OJ000251_12.0217.C9.o1.gs	Method	GENSCAN
Start	1007	End	1967
GI	none	Score	.73
Exons	1007..1204, 1699..1967		

Seq. No.	33845	Seq. ID	OJ000251_12.0217.C9
Gene No.	70121	Strand	+
Start	5342	End	5750
Name	OJ000251_12.0217.C9.o1.np	Method	AAT/NAP
Start	5342	End	5750
GI	6539553	Score	597
Exons	5342..5750		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	33845	Seq. ID	OJ000251_12.0217.C9
Gene No.	70122	Strand	+
Start	9696	End	10162
Name	OJ000251_12.0217.C9.o2.gp	Method	AAT/GAP
Start	9696	End	10162
GI	LIB3432-059-P1-K1-D8	Score	734
Exons	9696..10162		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	33845	Seq. ID	OJ000251_12.0217.C9
Gene No.	70123	Strand	+
Start	10341	End	11295
Name	OJ000251_12.0217.C9.o4.gs	Method	GENSCAN
Start	10341	End	11295
GI	none	Score	.87
Exons	10341..10392, 10955..11295		

Seq. No.	33845	Seq. ID	OJ000251_12.0217.C9
Gene No.	70124	Strand	-
Start	1	End	104
Name	OJ000251_12.0217.C9.o1.gp	Method	AAT/GAP
Start	1	End	104
GI	LIB3477-003-P1-K1-E9	Score	162
Exons	1..104		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	33845	Seq. ID	OJ000251_12.0217.C9
Gene No.	70125	Strand	
Start	5273	End	5753
Name	OJ000251_12.0217.C9.o1.tw	Method	TBLASTX:Wheat

Start	5273	End	5632
GI	none	Score	58
Exons	5273..5326, 5289..5327, 5332..5517, 5333..5497, 5470..5628, 5477..5632, 5480..5608, 5493..5627, 5500..5628		

Seq. No.	33845	Seq. ID	OJ000251_12.0217.C9
Gene No.	70125	Strand	
Start	5273	End	5753
Name	OJ000251_12.0217.C9.o1.tm	Method	TBLASTX:Maize
Start	5471	End	5753
GI	none	Score	289
Exons	5471..5743, 5479..5748, 5489..5752, 5493..5753		

Seq. No.	33846	Seq. ID	OJ000251_12.0217.C10
Gene No.	70126	Strand	-
Start	1	End	1191
Name	OJ000251_12.0217.C10.o1.np	Method	AAT/NAP
Start	1	End	1191
GI	6069667	Score	317
Exons	1..79, 743..955, 1024..1191		
GI Descrip.	(AP000616) similar to UMP/CMP kinase (AF000147) [Oryza sativa]		

Seq. No.	33846	Seq. ID	OJ000251_12.0217.C10
Gene No.	70127	Strand	-
Start	5078	End	5997
Name	OJ000251_12.0217.C10.o2.np	Method	AAT/NAP
Start	4930	End	5997
GI	5852084	Score	76
Exons	4930..5014, 5939..5997		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	33846	Seq. ID	OJ000251_12.0217.C10
Gene No.	70127	Strand	-
Start	5078	End	5997
Name	OJ000251_12.0217.C10.o2.gs	Method	GENSCAN
Start	5078	End	5217
GI	none	Score	.61
Exons	5078..5217		

Seq. No.	33847	Seq. ID	OJ000251_12.0217.C11
Gene No.	70128	Strand	+
Start	41	End	758
Name	OJ000251_12.0217.C11.o1.gp	Method	AAT/GAP
Start	41	End	527
GI	58722_1.R1084	Score	747
Exons	41..381, 478..527		
GI Descrip.	'2129771/pir||S71225 1.0e-15 xyloglucan endotransglycosylase-related protein XTR-6 - Arabidopsis thaliana >gi_1244758 (U43488) xyloglucan endotransglycosylase-related protein [Arabidopsis thaliana] >gi_4539299_emb_CAB39602.1_ (AL049480) xyloglucan endo-1, 4-beta-D-glucanase (XTR-6) [Arabidopsis thaliana]'		

Seq. No.	33847	Seq. ID	OJ000251_12.0217.C11
Gene No.	70128	Strand	+
Start	41	End	758
Name	OJ000251_12.0217.C11.o1.gs	Method	GENSCAN

Start	118	End	677
GI	none	Score	.7
Exons	118..381, 478..677		

Seq. No.	33847	Seq. ID	OJ000251_12.0217.C11
Gene No.	70128	Strand	+
Start	41	End	758
Name	OJ000251_12.0217.C11.o1.np	Method	AAT/NAP
Start	121	End	758
GI	1890575	Score	410
Exons	121..388, 491..758		
GI Descrip.	(X93174) xyloglucan endotransglycosylase (XET) [Hordeum vulgare]		

Seq. No.	33847	Seq. ID	OJ000251_12.0217.C11
Gene No.	70128	Strand	+
Start	41	End	758
Name	OJ000251_12.0217.C11.o1.tm	Method	TBLASTX:Maize
Start	175	End	678
GI	none	Score	289
Exons	175..381, 190..342, 228..386, 460..678, 469..606, 480..677		

Seq. No.	33847	Seq. ID	OJ000251_12.0217.C11
Gene No.	70128	Strand	+
Start	41	End	758
Name	OJ000251_12.0217.C11.o1.tc	Method	TBLASTX:Cress
Start	178	End	678
GI	none	Score	202
Exons	178..405, 258..371, 492..674, 493..678		

Seq. No.	33847	Seq. ID	OJ000251_12.0217.C11
Gene No.	70128	Strand	+
Start	41	End	758
Name	OJ000251_12.0217.C11.o1.ts	Method	TBLASTX:Soybean
Start	190	End	678
GI	none	Score	193
Exons	190..405, 261..371, 505..678, 507..674		

Seq. No.	33848	Seq. ID	OJ000251_12.0217.C12
Gene No.	70129	Strand	-
Start	1	End	1552
Name	OJ000251_12.0217.C12.o1.np	Method	AAT/NAP
Start	1	End	1552
GI	6069667	Score	108
Exons	1..47, 1435..1552		
GI Descrip.	(AP000616) similar to UMP/CMP kinase (AF000147) [Oryza sativa]		

Seq. No.	33848	Seq. ID	OJ000251_12.0217.C12
Gene No.	70129	Strand	-
Start	1	End	1552
Name	OJ000251_12.0217.C12.o1.gs	Method	GENSCAN
Start	973	End	1038
GI	none	Score	.57
Exons	973..1038		

Seq. No.	33849	Seq. ID	OJ000251_12.0217.C13
Gene No.	70130	Strand	-
Start	1	End	750

Name	OJ000251_12.0217.C13.o1.np	Method	AAT/NAP
Start	1	End	750
GI	6714484	Score	99
Exons	1..22, 438..750		
GI Descrip.	(AC008261) unknown protein [Arabidopsis thaliana]		

Seq. No.	33849	Seq. ID	OJ000251_12.0217.C13
Gene No.	70130	Strand	-
Start	1	End	750
Name	OJ000251_12.0217.C13.o1.tm	Method	TBLASTX:Maize
Start	411	End	667
GI	none	Score	132
Exons	411..542, 449..613, 457..600, 500..667		

Seq. No.	33849	Seq. ID	OJ000251_12.0217.C13
Gene No.	70130	Strand	-
Start	1	End	750
Name	OJ000251_12.0217.C13.o1.gs	Method	GENSCAN
Start	452	End	601
GI	none	Score	.73
Exons	452..601		

Seq. No.	33850	Seq. ID	OJ000251_12.0217.C14
Gene No.	70131	Strand	+
Start	1	End	497
Name	OJ000251_12.0217.C14.o1.np	Method	AAT/NAP
Start	1	End	497
GI	6714484	Score	148
Exons	1..193, 284..497		
GI Descrip.	(AC008261) unknown protein [Arabidopsis thaliana]		

Seq. No.	33850	Seq. ID	OJ000251_12.0217.C14
Gene No.	70131	Strand	+
Start	1	End	497
Name	OJ000251_12.0217.C14.o1.tm	Method	TBLASTX:Maize
Start	160	End	480
GI	none	Score	47
Exons	160..198, 166..192, 224..391, 278..442, 284..433, 291..434, 349..480		

Seq. No.	33850	Seq. ID	OJ000251_12.0217.C14
Gene No.	70131	Strand	+
Start	1	End	497
Name	OJ000251_12.0217.C14.o1.gs	Method	GENSCAN
Start	290	End	439
GI	none	Score	.68
Exons	290..439		

Seq. No.	33851	Seq. ID	OJ000251_12.0217.C17
Gene No.	70132	Strand	+
Start	14	End	329
Name	OJ000251_12.0217.C17.o1.gs	Method	GENSCAN
Start	14	End	329
GI	none	Score	.67
Exons	14..137, 276..329		

Seq. No.	33852	Seq. ID	OJ000251_12.0217.C18

Gene No.	70133	Strand	-
Start	496	End	1024
Name	OJ000251_12.0217.C18.o1.gs	Method	GENSCAN
Start	496	End	1024
GI	none	Score	.57
Exons	496..614, 779..1024		

Seq. No.	33853	Seq. ID	OJ000251_12.0217.C19
Gene No.	70134	Strand	-
Start	1	End	479
Name	OJ000251_12.0217.C19.o1.np	Method	AAT/NAP
Start	1	End	479
GI	6907088	Score	340
Exons	1..479		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	33854	Seq. ID	OJ000251_12.0217.C20
Gene No.	70135	Strand	+
Start	114	End	299
Name	OJ000251_12.0217.C20.o1.gs	Method	GENSCAN
Start	114	End	299
GI	none	Score	.94
Exons	114..299		

Seq. No.	33855	Seq. ID	OJ000251_12.0217.C21
Gene No.	70136	Strand	+
Start	240	End	330
Name	OJ000251_12.0217.C21.o1.gp	Method	AAT/GAP
Start	240	End	330
GI	77434_1.R1084	Score	88
Exons	240..330		
GI Descrip.	'2827528/emb|CAA16536.1| 2.0e-10 (AL021633) predicted protein [Arabidopsis thaliana]'		

Seq. No.	33855	Seq. ID	OJ000251_12.0217.C21
Gene No.	70137	Strand	+
Start	365	End	613
Name	OJ000251_12.0217.C21.o1.gs	Method	GENSCAN
Start	365	End	613
GI	none	Score	.95
Exons	365..613		

Seq. No.	33856	Seq. ID	OJ000251_12.0217.C24
Gene No.	70138	Strand	-
Start	15	End	201
Name	OJ000251_12.0217.C24.o1.gp	Method	AAT/GAP
Start	15	End	201
GI	3106638	Score	292
Exons	15..201		
GI Descrip.	5257255/dbj|AP000364.1|AP000364 4.0e-18 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07		

Seq. No.	33857	Seq. ID	OJ000251_12.0217.C25
Gene No.	70139	Strand	-
Start	444	End	528
Name	OJ000251_12.0217.C25.o1.gs	Method	GENSCAN
Start	444	End	528

GI	none	Score	.56
Exons	444..528		

Seq. No.	33858	Seq. ID	OJ000251_12.0217.C26
Gene No.	70140	Strand	+
Start	8067	End	8429
Name	OJ000251_12.0217.C26.o3.gs	Method	GENSCAN
Start	8067	End	8429
GI	none	Score	.99
Exons	8067..8429		

Seq. No.	33858	Seq. ID	OJ000251_12.0217.C26
Gene No.	70141	Strand	+
Start	16484	End	21423
Name	OJ000251_12.0217.C26.o5.gs	Method	GENSCAN
Start	16484	End	19081
GI	none	Score	.92
Exons	16484..16691, 18615..19081		

Seq. No.	33858	Seq. ID	OJ000251_12.0217.C26
Gene No.	70141	Strand	+
Start	16484	End	21423
Name	OJ000251_12.0217.C26.o2.np	Method	AAT/NAP
Start	16627	End	21405
GI	4680204	Score	475
Exons	16627..16692, 18596..19142, 19217..20316, 20426..20599, 20696..20915, 21268..21405		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	33858	Seq. ID	OJ000251_12.0217.C26
Gene No.	70141	Strand	+
Start	16484	End	21423
Name	OJ000251_12.0217.C26.o3.np	Method	AAT/NAP
Start	18614	End	21405
GI	4680204	Score	477
Exons	18614..19142, 19217..20316, 20426..20599, 20696..20915, 21268..21405		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	33858	Seq. ID	OJ000251_12.0217.C26
Gene No.	70141	Strand	+
Start	16484	End	21423
Name	OJ000251_12.0217.C26.o6.gs	Method	GENSCAN
Start	19211	End	21423
GI	none	Score	.9
Exons	19211..19358, 19484..19629, 19631..19976, 20040..20316, 20696..20806, 20891..20963, 21060..21158, 21238..21423		

Seq. No.	33858	Seq. ID	OJ000251_12.0217.C26
Gene No.	70142	Strand	+
Start	22984	End	24090
Name	OJ000251_12.0217.C26.o7.gs	Method	GENSCAN
Start	22984	End	24090
GI	none	Score	.95
Exons	22984..23257, 23819..24090		

Seq. No.	33858	Seq. ID	OJ000251_12.0217.C26

Gene No.	70143	Strand	+
Start	25552	End	27847
Name	OJ000251_12.0217.C26.o8.gs	Method	GENSCAN
Start	25552	End	27847
GI	none	Score	.75
Exons	25552..25560, 25866..25956, 26130..26218, 26356..26442, 27737..27847		

Seq. No.	33858	Seq. ID	OJ000251_12.0217.C26
Gene No.	70144	Strand	-
Start	301	End	2124
Name	OJ000251_12.0217.C26.o1.gs	Method	GENSCAN
Start	301	End	899
GI	none	Score	.54
Exons	301..778, 835..899		

Seq. No.	33858	Seq. ID	OJ000251_12.0217.C26
Gene No.	70144	Strand	-
Start	301	End	2124
Name	OJ000251_12.0217.C26.o1.np	Method	AAT/NAP
Start	693	End	2124
GI	6907088	Score	1242
Exons	693..1079, 1573..1811, 1987..2124		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	33858	Seq. ID	OJ000251_12.0217.C26
Gene No.	70145	Strand	-
Start	10278	End	21736
Name	OJ000251_12.0217.C26.o1.gp	Method	AAT/GAP
Start	10278	End	21736
GI	LIB3477-003-P1-K1-E9	Score	138
Exons	10278..10318, 21676..21736		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	33859	Seq. ID	OJ000251_12.0217.C27
Gene No.	70146	Strand	+
Start	65	End	563
Name	OJ000251_12.0217.C27.o1.gs	Method	GENSCAN
Start	65	End	563
GI	none	Score	.62
Exons	65..77, 454..563		

Seq. No.	33860	Seq. ID	OJ000251_12.0217.C30
Gene No.	70147	Strand	-
Start	244	End	1706
Name	OJ000251_12.0217.C30.o1.gs	Method	GENSCAN
Start	244	End	1646
GI	none	Score	.77
Exons	244..547, 610..1646		

Seq. No.	33860	Seq. ID	OJ000251_12.0217.C30
Gene No.	70147	Strand	-
Start	244	End	1706
Name	OJ000251_12.0217.C30.o1.gp	Method	AAT/GAP
Start	722	End	1182

GI	none	Score	910
Exons	722..1182		

Seq. No.	33860	Seq. ID	OJ000251_12.0217.C30
Gene No.	70147	Strand	-
Start	244	End	1706
Name	OJ000251_12.0217.C30.o2.gp	Method	AAT/GAP
Start	1369	End	1706
GI	none	Score	544
Exons	1369..1706		

Seq. No.	33861	Seq. ID	OJ000251_12.0217.C31
Gene No.	70148	Strand	+
Start	266	End	589
Name	OJ000251_12.0217.C31.o1.gs	Method	GENSCAN
Start	266	End	589
GI	none	Score	.57
Exons	266..589		

Seq. No.	33861	Seq. ID	OJ000251_12.0217.C31
Gene No.	70149	Strand	-
Start	3082	End	4981
Name	OJ000251_12.0217.C31.o1.tm	Method	TBLASTX:Maize
Start	3079	End	4903
GI	none	Score	74
Exons	3079..3180, 3080..3139, 3208..3312, 3493..3624, 3536..3622, 3543..3623, 3565..3624, 3918..4070, 3924..4067, 3925..4080, 4539..4637, 4554..4637, 4685..4903, 4701..4859		

Seq. No.	33861	Seq. ID	OJ000251_12.0217.C31
Gene No.	70149	Strand	-
Start	3082	End	4981
Name	OJ000251_12.0217.C31.o1.tc	Method	TBLASTX:Cress
Start	3082	End	4903
GI	none	Score	112
Exons	3082..3180, 3190..3312, 3535..3624, 3918..4070, 3940..4068, 3957..4070, 3962..4072, 3962..4114, 4533..4637, 4556..4627, 4685..4903, 4689..4850		

Seq. No.	33861	Seq. ID	OJ000251_12.0217.C31
Gene No.	70149	Strand	-
Start	3082	End	4981
Name	OJ000251_12.0217.C31.o2.gs	Method	GENSCAN
Start	3082	End	4858
GI	none	Score	.7
Exons	3082..3309, 3924..4173, 4627..4664, 4703..4858		

Seq. No.	33861	Seq. ID	OJ000251_12.0217.C31
Gene No.	70149	Strand	-
Start	3082	End	4981
Name	OJ000251_12.0217.C31.o1.np	Method	AAT/NAP
Start	3085	End	4981
GI	1168940	Score	613
Exons	3085..3309, 3526..3618, 3924..4067, 4548..4634, 4703..4981		
GI Descrip.	CHORISMATE MUTASE PRECURSOR (CM-1) gi|629509|pir||S38958 chorismate mutase precursor - Arabidopsis thaliana gi|429153|emb|CAA81286| (Z26519) chorismate mutase precursor		

[Arabidopsis thaliana]

Seq. No.	33861	Seq. ID	OJ000251_12.0217.C31
Gene No.	70149	Strand	-
Start	3082	End	4981
Name	OJ000251_12.0217.C31.o1.gp	Method	AAT/GAP
Start	3579	End	4904
GI	77938_1.R1084	Score	827
Exons	3579..3618, 3924..4067, 4548..4634, 4703..4904		
GI Descrip.	'1168940/sp|P42738|CHMU_ARATH 7.0e-53 CHORISMATE MUTASE PRECURSOR (CM-1) >gi_629509_pir__S38958 chorismate mutase precursor - Arabidopsis thaliana >gi_429153_emb_CAA81286_ (Z26519) chorismate mutase precursor [Arabidopsis thaliana]'		

Seq. No.	33862	Seq. ID	OJ000251_12.0217.C32
Gene No.	70150	Strand	-
Start	1	End	971
Name	OJ000251_12.0217.C32.o1.np	Method	AAT/NAP
Start	1	End	971
GI	1168940	Score	186
Exons	1..334, 872..971		
GI Descrip.	CHORISMATE MUTASE PRECURSOR (CM-1) gi|629509|pir||S38958 chorismate mutase precursor - Arabidopsis thaliana gi|429153|emb|CAA81286| (Z26519) chorismate mutase precursor [Arabidopsis thaliana]		

Seq. No.	33862	Seq. ID	OJ000251_12.0217.C32
Gene No.	70150	Strand	-
Start	1	End	971
Name	OJ000251_12.0217.C32.o1.tc	Method	TBLASTX:Cress
Start	79	End	321
GI	none	Score	115
Exons	79..321, 83..244		

Seq. No.	33862	Seq. ID	OJ000251_12.0217.C32
Gene No.	70150	Strand	-
Start	1	End	971
Name	OJ000251_12.0217.C32.o1.tm	Method	TBLASTX:Maize
Start	79	End	306
GI	none	Score	122
Exons	79..306, 95..253		

Seq. No.	33862	Seq. ID	OJ000251_12.0217.C32
Gene No.	70150	Strand	-
Start	1	End	971
Name	OJ000251_12.0217.C32.o1.ts	Method	TBLASTX:Soybean
Start	85	End	378
GI	none	Score	93
Exons	85..378, 98..247		

Seq. No.	33862	Seq. ID	OJ000251_12.0217.C32
Gene No.	70150	Strand	-
Start	1	End	971
Name	OJ000251_12.0217.C32.o1.gp	Method	AAT/GAP
Start	93	End	323
GI	77938_1.R1084	Score	348
Exons	93..323		

GI Descrip. '1168940/sp|P42738|CHMU_ARATH 7.0e-53 CHORISMATE MUTASE PRECURSOR (CM-1) >gi_629509_pir__S38958 chorismate mutase precursor - Arabidopsis thaliana >gi_429153_emb_CAA81286_ (Z26519) chorismate mutase precursor [Arabidopsis thaliana]'

Seq. No.	33862	Seq. ID	OJ000251_12.0217.C32
Gene No.	70150	Strand	-
Start	1	End	971
Name	OJ000251_12.0217.C32.o1.gs	Method	GENSCAN
Start	97	End	334
GI	none	Score	1
Exons	97..334		

Seq. No.	33863	Seq. ID	OJ000251_12.0217.C33
Gene No.	70151	Strand	+
Start	166	End	1058
Name	OJ000251_12.0217.C33.o1.tc	Method	TBLASTX:Cress
Start	141	End	332
GI	none	Score	226
Exons	141..332, 167..331		

Seq. No.	33863	Seq. ID	OJ000251_12.0217.C33
Gene No.	70151	Strand	+
Start	166	End	1058
Name	OJ000251_12.0217.C33.o1.gp	Method	AAT/GAP
Start	166	End	731
GI	uC-osflcyp034h04b1	Score	461
Exons	166..356, 623..731		

GI Descrip. '5803205/ref|NP_006800.1|pTOM34| 8.0e-10 outer mitochondrial membrane translocase (34kD) >gi_1399813 (U58970) hTOM34p [Homo sapiens]'

Seq. No.	33863	Seq. ID	OJ000251_12.0217.C33
Gene No.	70151	Strand	+
Start	166	End	1058
Name	OJ000251_12.0217.C33.o1.gs	Method	GENSCAN
Start	168	End	1058
GI	none	Score	.96
Exons	168..356, 623..1058		

Seq. No.	33863	Seq. ID	OJ000251_12.0217.C33
Gene No.	70151	Strand	+
Start	166	End	1058
Name	OJ000251_12.0217.C33.o1.ts	Method	TBLASTX:Soybean
Start	170	End	346
GI	none	Score	246
Exons	170..346, 171..344, 173..346		

Seq. No.	33863	Seq. ID	OJ000251_12.0217.C33
Gene No.	70151	Strand	+
Start	166	End	1058
Name	OJ000251_12.0217.C33.o1.tm	Method	TBLASTX:Maize
Start	674	End	1007
GI	none	Score	102
Exons	674..838, 686..814, 758..982, 798..977	766..840, 773..844, 786..1007,	

Seq. No.	33864	Seq. ID	OJ000251_12.0217.C34
Gene No.	70152	Strand	-
Start	300	End	467
Name	OJ000251_12.0217.C34.o1.gs	Method	GENSCAN
Start	300	End	467
GI	none	Score	.53
Exons	300..467		

Seq. No.	33865	Seq. ID	OJ000251_12.0217.C36
Gene No.	70153	Strand	+
Start	597	End	1020
Name	OJ000251_12.0217.C36.o1.gs	Method	GENSCAN
Start	597	End	1020
GI	none	Score	.43
Exons	597..1020		

Seq. No.	33866	Seq. ID	OJ000251_12.0217.C37
Gene No.	70154	Strand	+
Start	1	End	7619
Name	OJ000251_12.0217.C37.o1.np	Method	AAT/NAP
Start	1	End	7313
GI	2346986	Score	102
Exons	1..20, 2124..2313, 2977..3057, 7145..7313		
GI Descrip.	(AB006605) ZPT3-3 [Petunia x hybrida]		

Seq. No.	33866	Seq. ID	OJ000251_12.0217.C37
Gene No.	70154	Strand	+
Start	1	End	7619
Name	OJ000251_12.0217.C37.o1.gs	Method	GENSCAN
Start	506	End	7619
GI	none	Score	.49
Exons	506..589, 1326..1427, 2361..3197, 4164..4327, 4594..4760, 5203..5318, 6111..6287, 6814..7619		

Seq. No.	33866	Seq. ID	OJ000251_12.0217.C37
Gene No.	70155	Strand	+
Start	9348	End	11443
Name	OJ000251_12.0217.C37.o2.gs	Method	GENSCAN
Start	9348	End	11443
GI	none	Score	.66
Exons	9348..9493, 10135..10191, 10697..11443		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70156	Strand	+
Start	28	End	4380
Name	OJ000251_12.0217.C39.o1.np	Method	AAT/NAP
Start	28	End	4308
GI	6714484	Score	1874
Exons	28..169, 1553..1611, 1702..1857, 2386..2973, 3347..3649, 4030..4308		
GI Descrip.	(AC008261) unknown protein [Arabidopsis thaliana]		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70156	Strand	+
Start	28	End	4380
Name	OJ000251_12.0217.C39.o1.gs	Method	GENSCAN
Start	1708	End	4320

GI	none	Score	.86
Exons	1708..1857, 2386..2973, 3347..3442, 4030..4320		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70156	Strand	+
Start	28	End	4380
Name	OJ000251_12.0217.C39.o1.gp	Method	AAT/GAP
Start	1807	End	3691
GI	14176_1.R1084	Score	1842
Exons	1807..1857, 2386..2973, 3347..3691		
GI Descrip.	'4415929/gb|AAD20159| 7.0e-10 (AC006418) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70156	Strand	+
Start	28	End	4380
Name	OJ000251_12.0217.C39.o2.gp	Method	AAT/GAP
Start	4152	End	4380
GI	2796804	Score	398
Exons	4152..4380		
GI Descrip.	4415929/gb|AAD20159| 7.0e-10 (AC006418) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70157	Strand	+
Start	4460	End	4818
Name	OJ000251_12.0217.C39.o3.gp	Method	AAT/GAP
Start	4460	End	4818
GI	2798255	Score	658
Exons	4460..4818		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70158	Strand	+
Start	9069	End	9428
Name	OJ000251_12.0217.C39.o3.gs	Method	GENSCAN
Start	9069	End	9428
GI	none	Score	.99
Exons	9069..9428		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70159	Strand	+
Start	12002	End	12415
Name	OJ000251_12.0217.C39.o6.gp	Method	AAT/GAP
Start	12002	End	12415
GI	none	Score	816
Exons	12002..12415		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70160	Strand	-
Start	5413	End	9410
Name	OJ000251_12.0217.C39.o2.gs	Method	GENSCAN
Start	5413	End	8302
GI	none	Score	.96
Exons	5413..5805, 6030..6339, 6424..6613, 6718..6948, 7052..7200, 7363..7546, 7960..7996, 8093..8302		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39

Gene No.	70160	Strand	-
Start	5413	End	9410
Name	OJ000251_12.0217.C39.o2.np	Method	AAT/NAP
Start	5419	End	8251
GI	6562297	Score	1524
Exons	5419..5805, 6030..6129, 6214..6339, 6424..6613, 6718..6948, 7052..7200, 7363..7546, 7960..7996, 8093..8251		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70160	Strand	-
Start	5413	End	9410
Name	OJ000251_12.0217.C39.o4.gp	Method	AAT/GAP
Start	5559	End	6522
GI	uC-osflcyp174b03b1	Score	1064
Exons	5559..5805, 6030..6129, 6214..6339, 6424..6522		
GI Descrip.	'2335108 6.0e-19 (AC002339) putative isulinase [Arabidopsis thaliana]'		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70160	Strand	-
Start	5413	End	9410
Name	OJ000251_12.0217.C39.o5.gp	Method	AAT/GAP
Start	8103	End	9410
GI	none	Score	794
Exons	8103..8313, 9187..9410		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70161	Strand	-
Start	10027	End	13263
Name	OJ000251_12.0217.C39.o5.tm	Method	TBLASTX:Maize
Start	1578	End	1898
GI	none	Score	47
Exons	1578..1616, 1584..1610, 1696..1860, 1702..1851, 1709..1852, 1767..1898		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70161	Strand	-
Start	10027	End	13263
Name	OJ000251_12.0217.C39.o2.ts	Method	TBLASTX:Soybean
Start	1773	End	2868
GI	none	Score	478
Exons	1773..1865, 2395..2868, 2409..2822, 2671..2832		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70161	Strand	-
Start	10027	End	13263
Name	OJ000251_12.0217.C39.o1.tm	Method	TBLASTX:Maize
Start	2385	End	4314
GI	none	Score	262
Exons	2385..2972, 2385..2975, 2386..2976, 3333..3491, 3344..3649, 3346..3648, 3560..3649, 4027..4314, 4029..4310, 4045..4314		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70161	Strand	-
Start	10027	End	13263
Name	OJ000251_12.0217.C39.o1.tc	Method	TBLASTX:Cress

Start	2467	End	2970
GI	none	Score	557
Exons	2467..2868, 2467..2862, 2469..2867, 2872..2970, 2901..2969		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70161	Strand	-
Start	10027	End	13263
Name	OJ000251_12.0217.C39.o1.tw	Method	TBLASTX:Wheat
Start	2923	End	3640
GI	none	Score	61
Exons	2923..2976, 3344..3466, 3375..3437, 3497..3640, 3511..3609		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70161	Strand	-
Start	10027	End	13263
Name	OJ000251_12.0217.C39.o3.tc	Method	TBLASTX:Cress
Start	3333	End	4191
GI	none	Score	99
Exons	3333..3596, 3344..3649, 3346..3627, 4027..4191, 4029..4187		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70161	Strand	-
Start	10027	End	13263
Name	OJ000251_12.0217.C39.o3.ts	Method	TBLASTX:Soybean
Start	3344	End	4214
GI	none	Score	406
Exons	3344..3649, 3346..3642, 3712..3774, 4026..4214, 4027..4212		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70161	Strand	-
Start	10027	End	13263
Name	OJ000251_12.0217.C39.o2.tw	Method	TBLASTX:Wheat
Start	4078	End	4311
GI	none	Score	221
Exons	4078..4311, 4081..4299		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70161	Strand	-
Start	10027	End	13263
Name	OJ000251_12.0217.C39.o8.tm	Method	TBLASTX:Maize
Start	4478	End	4723
GI	none	Score	156
Exons	4478..4609, 4478..4606, 4492..4611, 4506..4610, 4623..4655, 4624..4659, 4628..4723, 4628..4657		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70161	Strand	-
Start	10027	End	13263
Name	OJ000251_12.0217.C39.o4.ts	Method	TBLASTX:Soybean
Start	5389	End	6361
GI	none	Score	117
Exons	5389..5622, 5420..5623, 5636..5710, 5645..5674, 6208..6303, 6208..6303, 6215..6361, 6216..6338		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70161	Strand	-
Start	10027	End	13263

Name	OJ000251_12.0217.C39.o2.tm	Method	TBLASTX:Maize
Start	5395	End	6339
GI	none	Score	41
Exons	5395..5457, 5404..5808, 5405..5806, 5518..5808, 5573..5815, 6029..6130, 6030..6134, 6031..6132, 6205..6339, 6205..6303, 6216..6338		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70161	Strand	-
Start	10027	End	13263
Name	OJ000251_12.0217.C39.o4.tc	Method	TBLASTX:Cress
Start	5414	End	5808
GI	none	Score	155
Exons	5414..5677, 5422..5808		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70161	Strand	-
Start	10027	End	13263
Name	OJ000251_12.0217.C39.o2.tc	Method	TBLASTX:Cress
Start	6030	End	6838
GI	none	Score	61
Exons	6030..6113, 6202..6273, 6216..6275, 6216..6275, 6276..6335, 6277..6336, 6278..6337, 6415..6615, 6417..6635, 6422..6580, 6423..6614, 6710..6817, 6716..6838, 6717..6836		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70161	Strand	-
Start	10027	End	13263
Name	OJ000251_12.0217.C39.o1.ts	Method	TBLASTX:Soybean
Start	6078	End	8311
GI	none	Score	98
Exons	6078..6134, 6426..6470, 6469..6615, 6471..6614, 6714..6836, 6716..6838, 6839..6961, 6840..6971, 7048..7200, 7050..7214, 7362..7442, 7362..7547, 7363..7548, 7961..7996, 7962..7997, 8091..8219, 8092..8208, 8093..8311		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70161	Strand	-
Start	10027	End	13263
Name	OJ000251_12.0217.C39.o3.tm	Method	TBLASTX:Maize
Start	6468	End	6892
GI	none	Score	161
Exons	6468..6614, 6468..6614, 6469..6615, 6710..6892, 6715..6891, 6716..6892		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70161	Strand	-
Start	10027	End	13263
Name	OJ000251_12.0217.C39.o7.tm	Method	TBLASTX:Maize
Start	6893	End	7214
GI	none	Score	58
Exons	6893..6961, 6906..6956, 7048..7200, 7050..7214, 7053..7202		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70161	Strand	-
Start	10027	End	13263
Name	OJ000251_12.0217.C39.o6.tm	Method	TBLASTX:Maize

Start	7378	End	7548
GI	none	Score	235
Exons	7378..7548, 7381..7548		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70161	Strand	-
Start	10027	End	13263
Name	OJ000251_12.0217.C39.o4.tm	Method	TBLASTX:Maize
Start	8091	End	8317
GI	none	Score	220
Exons	8091..8276, 8092..8277, 8092..8271, 8093..8275, 8270..8317		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70161	Strand	-
Start	10027	End	13263
Name	OJ000251_12.0217.C39.o5.tc	Method	TBLASTX:Cress
Start	8114	End	8279
GI	none	Score	104
Exons	8114..8275, 8115..8279		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70161	Strand	-
Start	10027	End	13263
Name	OJ000251_12.0217.C39.o4.gs	Method	GENSCAN
Start	10027	End	13200
GI	none	Score	.52
Exons	10027..10121, 10696..10754, 12283..12667, 12912..13200		

Seq. No.	33867	Seq. ID	OJ000251_12.0217.C39
Gene No.	70161	Strand	-
Start	10027	End	13263
Name	OJ000251_12.0217.C39.o3.np	Method	AAT/NAP
Start	12166	End	13263
GI	6562296	Score	168
Exons	12166..12607, 13125..13263		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		

Seq. No.	33868	Seq. ID	OJ000251_12.0217.C40
Gene No.	70162	Strand	-
Start	1	End	694
Name	OJ000251_12.0217.C40.o1.np	Method	AAT/NAP
Start	1	End	694
GI	6562297	Score	484
Exons	1..282, 387..694		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		

Seq. No.	33868	Seq. ID	OJ000251_12.0217.C40
Gene No.	70162	Strand	-
Start	1	End	694
Name	OJ000251_12.0217.C40.o1.tc	Method	TBLASTX:Cress
Start	84	End	507
GI	none	Score	162
Exons	84..284, 86..304, 91..249, 92..283, 384..485, 385..507, 386..505		

Seq. No.	33868	Seq. ID	OJ000251_12.0217.C40
Gene No.	70162	Strand	-
Start	1	End	694

Name	OJ000251_12.0217.C40.o1.gs	Method	GENSCAN
Start	93	End	617
GI	none	Score	.83
Exons	93..282, 387..617		

Seq. No.	33868	Seq. ID	OJ000251_12.0217.C40
Gene No.	70162	Strand	-
Start	1	End	694
Name	OJ000251_12.0217.C40.o1.ts	Method	TBLASTX:Soybean
Start	95	End	630
GI	none	Score	98
Exons	95..139, 138..284, 140..283, 383..505, 385..507, 508..630, 509..625		

Seq. No.	33868	Seq. ID	OJ000251_12.0217.C40
Gene No.	70162	Strand	-
Start	1	End	694
Name	OJ000251_12.0217.C40.o1.tm	Method	TBLASTX:Maize
Start	137	End	561
GI	none	Score	218
Exons	137..283, 138..284, 379..561, 385..561		

Seq. No.	33868	Seq. ID	OJ000251_12.0217.C40
Gene No.	70162	Strand	-
Start	1	End	694
Name	OJ000251_12.0217.C40.o1.gp	Method	AAT/GAP
Start	174	End	628
GI	LIB3477-003-P1-K1-E12	Score	642
Exons	174..282, 387..628		
GI Descrip.	'3695388/gb|AAC62790.1| 2.0e-16 (AF096371) No definition line found [Arabidopsis thaliana]'		

Seq. No.	33869	Seq. ID	OJ000251_12.0217.C41
Gene No.	70163	Strand	+
Start	216	End	299
Name	OJ000251_12.0217.C41.o1.gs	Method	GENSCAN
Start	216	End	299
GI	none	Score	.75
Exons	216..299		

Seq. No.	33870	Seq. ID	OJ000251_12.0217.C43
Gene No.	70164	Strand	-
Start	534	End	896
Name	OJ000251_12.0217.C43.o1.gs	Method	GENSCAN
Start	534	End	896
GI	none	Score	.99
Exons	534..896		

Seq. No.	33871	Seq. ID	OJ000251_12.0217.C45
Gene No.	70165	Strand	-
Start	1	End	526
Name	OJ000251_12.0217.C45.o1.np	Method	AAT/NAP
Start	1	End	526
GI	6562297	Score	265
Exons	1..99, 204..526		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		

Seq. No.	33871	Seq. ID	OJ000251_12.0217.C45
Gene No.	70165	Strand	-
Start	1	End	526
Name	OJ000251_12.0217.C45.o1.gp	Method	AAT/GAP
Start	65	End	453
GI	LIB3477-003-P1-K1-E12	Score	470
Exons	65..99, 204..453		
GI Descrip.	'3695388/gb|AAC62790.1| 2.0e-16 (AF096371) No definition line found [Arabidopsis thaliana]'		

Seq. No.	33871	Seq. ID	OJ000251_12.0217.C45
Gene No.	70165	Strand	-
Start	1	End	526
Name	OJ000251_12.0217.C45.o1.tm	Method	TBLASTX:Maize
Start	65	End	378
GI	none	Score	60
Exons	65..100, 66..101, 196..378, 202..378		

Seq. No.	33871	Seq. ID	OJ000251_12.0217.C45
Gene No.	70165	Strand	-
Start	1	End	526
Name	OJ000251_12.0217.C45.o1.ts	Method	TBLASTX:Soybean
Start	200	End	457
GI	none	Score	74
Exons	200..322, 202..324, 325..447, 326..457		

Seq. No.	33871	Seq. ID	OJ000251_12.0217.C45
Gene No.	70165	Strand	-
Start	1	End	526
Name	OJ000251_12.0217.C45.o1.tc	Method	TBLASTX:Cress
Start	201	End	324
GI	none	Score	84
Exons	201..302, 202..324, 203..322		

Seq. No.	33871	Seq. ID	OJ000251_12.0217.C45
Gene No.	70165	Strand	-
Start	1	End	526
Name	OJ000251_12.0217.C45.o1.gs	Method	GENSCAN
Start	204	End	434
GI	none	Score	.97
Exons	204..434		

Seq. No.	33872	Seq. ID	OJ000251_12.0217.C47
Gene No.	70166	Strand	+
Start	419	End	568
Name	OJ000251_12.0217.C47.o1.gs	Method	GENSCAN
Start	419	End	568
GI	none	Score	.69
Exons	419..568		

Seq. No.	33872	Seq. ID	OJ000251_12.0217.C47
Gene No.	70166	Strand	+
Start	419	End	568
Name	OJ000251_12.0217.C47.o1.gp	Method	AAT/GAP
Start	453	End	568
GI	59922_1.R1084	Score	220
Exons	453..568		

GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	33873	Seq. ID	OJ000251_12.0217.C49
Gene No.	70167	Strand	+
Start	373	End	445
Name	OJ000251_12.0217.C49.o1.gs	Method	GENSCAN
Start	373	End	445
GI	none	Score	.93
Exons	373..445		
Seq. No.	33874	Seq. ID	OJ000251_12.0217.C51
Gene No.	70168	Strand	+
Start	181	End	555
Name	OJ000251_12.0217.C51.o1.gp	Method	AAT/GAP
Start	181	End	555
GI	none	Score	706
Exons	181..555		
Seq. No.	33874	Seq. ID	OJ000251_12.0217.C51
Gene No.	70169	Strand	-
Start	410	End	8475
Name	OJ000251_12.0217.C51.o1.gs	Method	GENSCAN
Start	410	End	8475
GI	none	Score	.92
Exons	410..553, 1090..1317, 1406..1519, 2649..2780, 4130..4309, 4420..4551, 4918..5094, 5563..5745, 6233..6347, 6554..6909, 7312..7547, 8014..8326, 8365..8475		
Seq. No.	33874	Seq. ID	OJ000251_12.0217.C51
Gene No.	70169	Strand	-
Start	410	End	8475
Name	OJ000251_12.0217.C51.o2.gp	Method	AAT/GAP
Start	1156	End	4309
GI	59922_1.R1084	Score	1096
Exons	1156..1317, 1406..1519, 2649..2780, 4130..4309		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	33874	Seq. ID	OJ000251_12.0217.C51
Gene No.	70169	Strand	-
Start	410	End	8475
Name	OJ000251_12.0217.C51.o1.tm	Method	TBLASTX:Maize
Start	1224	End	6850
GI	none	Score	63
Exons	1224..1277, 1228..1281, 1394..1519, 1426..1518, 2647..2775, 2649..2774, 4112..4312, 4127..4312, 4131..4328, 4419..4550, 4420..4551, 4421..4549, 4917..5075, 4918..5094, 4918..5094, 4919..5095, 5532..5735, 5556..5735, 5626..5745, 6229..6363, 6233..6349, 6537..6629, 6556..6744, 6560..6748, 6577..6750, 6580..6804, 6743..6850, 6748..6795, 6797..6847		
Seq. No.	33874	Seq. ID	OJ000251_12.0217.C51
Gene No.	70169	Strand	-
Start	410	End	8475
Name	OJ000251_12.0217.C51.o1.ts	Method	TBLASTX:Soybean
Start	4112	End	5080

GI	none	Score	163
Exons	4112..4312, 4134..4310, 4250..4312, 4420..4551, 4421..4549, 4917..5072, 4918..5073, 4918..5079, 4919..5080		

Seq. No.	33874	Seq. ID	OJ000251_12.0217.C51
Gene No.	70169	Strand	-
Start	410	End	8475
Name	OJ000251_12.0217.C51.o3.gp	Method	AAT/GAP
Start	4168	End	4551
GI	uC-osflcyp092e11b1	Score	363
Exons	4168..4309, 4419..4551		
GI Descrip.	'1658503 3.0e-10 (U75467) Atu [Drosophila melanogaster]'		

Seq. No.	33874	Seq. ID	OJ000251_12.0217.C51
Gene No.	70169	Strand	-
Start	410	End	8475
Name	OJ000251_12.0217.C51.o5.gp	Method	AAT/GAP
Start	6763	End	7726
GI	none	Score	1076
Exons	6763..6909, 7312..7726		

Seq. No.	33875	Seq. ID	OJ000251_12.0217.C52
Gene No.	70170	Strand	+
Start	62	End	274
Name	OJ000251_12.0217.C52.o1.gs	Method	GENSCAN
Start	62	End	274
GI	none	Score	.81
Exons	62..274		

Seq. No.	33876	Seq. ID	OJ000251_12.0217.C54
Gene No.	70171	Strand	+
Start	1	End	1333
Name	OJ000251_12.0217.C54.o1.np	Method	AAT/NAP
Start	1	End	1333
GI	4938492	Score	704
Exons	1..20, 204..299, 387..629, 716..893, 983..1115, 1274..1333		
GI Descrip.	(AL078464) putative villin, fragment [Arabidopsis thaliana]		

Seq. No.	33876	Seq. ID	OJ000251_12.0217.C54
Gene No.	70171	Strand	+
Start	1	End	1333
Name	OJ000251_12.0217.C54.o1.tc	Method	TBLASTX:Cress
Start	197	End	1110
GI	none	Score	102
Exons	197..304, 237..299, 377..571, 571..630, 704..892, 704..880, 715..891, 931..1110, 952..1050, 981..1061		

Seq. No.	33876	Seq. ID	OJ000251_12.0217.C54
Gene No.	70171	Strand	+
Start	1	End	1333
Name	OJ000251_12.0217.C54.o1.gs	Method	GENSCAN
Start	231	End	1115
GI	none	Score	.94
Exons	231..299, 387..629, 716..893, 983..1115		

Seq. No.	33876	Seq. ID	OJ000251_12.0217.C54

Gene No.	70171	Strand	+
Start	1	End	1333
Name	OJ000251_12.0217.C54.o1.tm	Method	TBLASTX:Maize
Start	257	End	823
GI	none	Score	63
Exons	257..301, 261..302, 384..560, 386..550, 582..632, 698..823, 715..822		

Seq. No.	33876	Seq. ID	OJ000251_12.0217.C54
Gene No.	70171	Strand	+
Start	1	End	1333
Name	OJ000251_12.0217.C54.o1.ts	Method	TBLASTX:Soybean
Start	384	End	628
GI	none	Score	251
Exons	384..569, 386..571, 435..575, 570..626, 581..628		

Seq. No.	33876	Seq. ID	OJ000251_12.0217.C54
Gene No.	70171	Strand	+
Start	1	End	1333
Name	OJ000251_12.0217.C54.o2.ts	Method	TBLASTX:Soybean
Start	770	End	1031
GI	none	Score	153
Exons	770..892, 778..891, 970..1029, 981..1031, 984..1031		

Seq. No.	33876	Seq. ID	OJ000251_12.0217.C54
Gene No.	70171	Strand	+
Start	1	End	1333
Name	OJ000251_12.0217.C54.o2.tm	Method	TBLASTX:Maize
Start	826	End	1113
GI	none	Score	103
Exons	826..891, 827..892, 970..1113, 970..1110		

Seq. No.	33877	Seq. ID	OJ000251_12.0217.C55
Gene No.	70172	Strand	-
Start	337	End	401
Name	OJ000251_12.0217.C55.o1.gs	Method	GENSCAN
Start	337	End	401
GI	none	Score	.66
Exons	337..401		

Seq. No.	33878	Seq. ID	OJ000251_12.0217.C57
Gene No.	70173	Strand	-
Start	61	End	456
Name	OJ000251_12.0217.C57.o1.gs	Method	GENSCAN
Start	61	End	456
GI	none	Score	.51
Exons	61..456		

Seq. No.	33879	Seq. ID	OJ000251_12.0217.C59
Gene No.	70174	Strand	-
Start	1	End	583
Name	OJ000251_12.0217.C59.o1.np	Method	AAT/NAP
Start	1	End	583
GI	5441880	Score	404
Exons	1..130, 246..377, 468..583		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein.		

(AC003981) [Oryza sativa]

Seq. No.	33879	Seq. ID	OJ000251_12.0217.C59
Gene No.	70174	Strand	-
Start	1	End	583
Name	OJ000251_12.0217.C59.o1.gs	Method	GENSCAN
Start	13	End	377
GI	none	Score	.93
Exons	13..130, 135..182, 246..377		

Seq. No.	33880	Seq. ID	OJ000251_12.0217.C61
Gene No.	70175	Strand	+
Start	95	End	227
Name	OJ000251_12.0217.C61.o1.gs	Method	GENSCAN
Start	95	End	227
GI	none	Score	.92
Exons	95..227		

Seq. No.	33881	Seq. ID	OJ000251_12.0217.C62
Gene No.	70176	Strand	+
Start	592	End	677
Name	OJ000251_12.0217.C62.o1.gs	Method	GENSCAN
Start	592	End	677
GI	none	Score	.71
Exons	592..677		

Seq. No.	33882	Seq. ID	OJ000251_12.0217.C63
Gene No.	70177	Strand	-
Start	8	End	102
Name	OJ000251_12.0217.C63.o1.gs	Method	GENSCAN
Start	8	End	102
GI	none	Score	.79
Exons	8..102		

Seq. No.	33883	Seq. ID	OJ000251_12.0217.C64
Gene No.	70178	Strand	+
Start	1	End	894
Name	OJ000251_12.0217.C64.o1.np	Method	AAT/NAP
Start	1	End	894
GI	3093294	Score	346
Exons	1..50, 124..192, 315..452, 549..677, 874..894		
GI Descrip.	(Y12782) putative villin [Arabidopsis thaliana] gi|5730126|emb|CAB52460.1| (AL109796) putative villin [Arabidopsis thaliana]		

Seq. No.	33883	Seq. ID	OJ000251_12.0217.C64
Gene No.	70178	Strand	+
Start	1	End	894
Name	OJ000251_12.0217.C64.o2.tm	Method	TBLASTX:Maize
Start	1	End	416
GI	none	Score	44
Exons	1..51, 2..55, 126..179, 127..192, 314..415, 315..416		

Seq. No.	33883	Seq. ID	OJ000251_12.0217.C64
Gene No.	70178	Strand	+
Start	1	End	894
Name	OJ000251_12.0217.C64.o1.tc	Method	TBLASTX:Cress

Start	2	End	677
GI	none	Score	101
Exons	2..49, 121..192, 123..191, 314..460, 315..461, 548..631, 549..677, 561..659		

Seq. No.	33883	Seq. ID	OJ000251_12.0217.C64
Gene No.	70178	Strand	+
Start	1	End	894
Name	OJ000251_12.0217.C64.o1.ts	Method	TBLASTX:Soybean
Start	2	End	677
GI	none	Score	83
Exons	2..49, 121..192, 123..191, 285..446, 314..454, 315..461, 548..631, 549..677		

Seq. No.	33883	Seq. ID	OJ000251_12.0217.C64
Gene No.	70178	Strand	+
Start	1	End	894
Name	OJ000251_12.0217.C64.o1.gs	Method	GENSCAN
Start	18	End	677
GI	none	Score	.96
Exons	18..50, 315..452, 549..677		

Seq. No.	33883	Seq. ID	OJ000251_12.0217.C64
Gene No.	70178	Strand	+
Start	1	End	894
Name	OJ000251_12.0217.C64.o1.tm	Method	TBLASTX:Maize
Start	417	End	677
GI	none	Score	50
Exons	417..461, 422..454, 548..631, 549..677, 564..677		

Seq. No.	33884	Seq. ID	OJ000251_12.0217.C65
Gene No.	70179	Strand	+
Start	1	End	107
Name	OJ000251_12.0217.C65.o1.gp	Method	AAT/GAP
Start	1	End	107
GI	183_9.R1084	Score	210
Exons	1..107		
GI Descrip.	'5714761/gb|AF173881.1|AF173881 7.0e-17 Oryza sativa subsp. indica serine/threonine protein phosphatase PP2A-4 catalytic subunit (PP2A) gene, complete cds'		

Seq. No.	33885	Seq. ID	OJ000251_12.0217.C67
Gene No.	70180	Strand	+
Start	51	End	450
Name	OJ000251_12.0217.C67.o1.gs	Method	GENSCAN
Start	51	End	450
GI	none	Score	.41
Exons	51..211, 324..450		

Seq. No.	33886	Seq. ID	OJ000251_12.0217.C68
Gene No.	70181	Strand	+
Start	72	End	265
Name	OJ000251_12.0217.C68.o1.gs	Method	GENSCAN
Start	72	End	265
GI	none	Score	.76
Exons	72..265		

Seq. No.	33887	Seq. ID	OJ000251_12.0217.C69
Gene No.	70182	Strand	-
Start	88	End	209
Name	OJ000251_12.0217.C69.o1.gs	Method	GENSCAN
Start	88	End	209
GI	none	Score	.41
Exons	88..209		

Seq. No.	33888	Seq. ID	OJ000251_12.0217.C71
Gene No.	70183	Strand	-
Start	541	End	615
Name	OJ000251_12.0217.C71.o1.gs	Method	GENSCAN
Start	541	End	615
GI	none	Score	.43
Exons	541..615		

Seq. No.	33889	Seq. ID	OJ000251_12.0217.C74
Gene No.	70184	Strand	+
Start	468	End	573
Name	OJ000251_12.0217.C74.o2.gp	Method	AAT/GAP
Start	468	End	573
GI	LIB3477-003-P1-K1-E9	Score	134
Exons	468..573		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY-S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	33889	Seq. ID	OJ000251_12.0217.C74
Gene No.	70185	Strand	-
Start	1	End	466
Name	OJ000251_12.0217.C74.o1.gp	Method	AAT/GAP
Start	1	End	466
GI	LIB3432-059-P1-K1-D8	Score	732
Exons	1..466		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	33890	Seq. ID	OJ000121_11.0228.C9
Gene No.	70186	Strand	
Start	199	End	466
Name	OJ000121_11.0228.C9.o1.tc	Method	TBLASTX:Cress
Start	199	End	466
GI	none	Score	150
Exons	199..375, 203..394, 383..466		

Seq. No.	33890	Seq. ID	OJ000121_11.0228.C9
Gene No.	70187	Strand	
Start	425	End	616
Name	OJ000121_11.0228.C9.o1.ts	Method	TBLASTX:Soybean
Start	425	End	616
GI	none	Score	70
Exons	425..508, 464..553, 497..616, 499..597		

Seq. No.	33891	Seq. ID	OJ000121_11.0228.C17
Gene No.	70188	Strand	
Start	17	End	292
Name	OJ000121_11.0228.C17.o2.tw	Method	TBLASTX:Wheat

Start	17	End	292
GI	none	Score	80
Exons	17..277, 18..257, 20..292		

Seq. No.	33891	Seq. ID	OJ000121_11.0228.C17
Gene No.	70189	Strand	
Start	331	End	714
Name	OJ000121_11.0228.C17.o1.tw	Method	TBLASTX:Wheat
Start	331	End	714
GI	none	Score	192
Exons	331..714, 332..706		

Seq. No.	33891	Seq. ID	OJ000121_11.0228.C17
Gene No.	70189	Strand	
Start	331	End	714
Name	OJ000121_11.0228.C17.o1.tm	Method	TBLASTX:Maize
Start	409	End	714
GI	none	Score	179
Exons	409..714, 410..697		

Seq. No.	33892	Seq. ID	OJ000121_11.0228.C19
Gene No.	70190	Strand	-
Start	1	End	208
Name	OJ000121_11.0228.C19.o1.gp	Method	AAT/GAP
Start	1	End	208
GI	uC-osflcyp174f11b1	Score	385
Exons	1..208		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	33893	Seq. ID	OJ000121_11.0228.C22
Gene No.	70191	Strand	
Start	111	End	787
Name	OJ000121_11.0228.C22.o1.tw	Method	TBLASTX:Wheat
Start	111	End	787
GI	none	Score	115
Exons	111..209, 113..352, 116..232, 410..787, 420..485, 467..595		

Seq. No.	33894	Seq. ID	OJ000121_11.0228.C23
Gene No.	70192	Strand	
Start	4	End	477
Name	OJ000121_11.0228.C23.o1.tm	Method	TBLASTX:Maize
Start	4	End	250
GI	none	Score	76
Exons	4..222, 16..249, 116..250		

Seq. No.	33894	Seq. ID	OJ000121_11.0228.C23
Gene No.	70192	Strand	
Start	4	End	477
Name	OJ000121_11.0228.C23.o1.ts	Method	TBLASTX:Soybean
Start	19	End	438
GI	none	Score	53
Exons	19..177, 29..160, 169..381, 169..438, 173..397		

Seq. No.	33894	Seq. ID	OJ000121_11.0228.C23
Gene No.	70192	Strand	
Start	4	End	477

Name	OJ000121_11.0228.C23.o1.tw	Method	TBLASTX:Wheat
Start	26	End	477
GI	none	Score	101
Exons	26..190, 31..210, 49..201, 129..215, 214..465, 215..442, 220..477		

Seq. No.	33894	Seq. ID	OJ000121_11.0228.C23
Gene No.	70193	Strand	
Start	971	End	1363
Name	OJ000121_11.0228.C23.o2.tw	Method	TBLASTX:Wheat
Start	971	End	1363
GI	none	Score	87
Exons	971..1246, 1026..1232, 1205..1318, 1215..1295, 1319..1363		

Seq. No.	33894	Seq. ID	OJ000121_11.0228.C23
Gene No.	70193	Strand	
Start	971	End	1363
Name	OJ000121_11.0228.C23.o2.tm	Method	TBLASTX:Maize
Start	1085	End	1339
GI	none	Score	180
Exons	1085..1339		

Seq. No.	33895	Seq. ID	OJ000121_11.0228.C26
Gene No.	70194	Strand	+
Start	24	End	485
Name	OJ000121_11.0228.C26.o1.gp	Method	AAT/GAP
Start	24	End	485
GI	2428323	Score	846
Exons	24..485		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	33896	Seq. ID	OJ000121_11.0228.C28
Gene No.	70195	Strand	-
Start	748	End	1413
Name	OJ000121_11.0228.C28.o1.gp	Method	AAT/GAP
Start	748	End	1413
GI	uC-osflcyp112h11a1	Score	878
Exons	748..1097, 1194..1242, 1354..1413		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	33896	Seq. ID	OJ000121_11.0228.C28
Gene No.	70196	Strand	-
Start	2349	End	2731
Name	OJ000121_11.0228.C28.o1.tm	Method	TBLASTX:Maize
Start	1353	End	1748
GI	none	Score	116
Exons	1353..1460, 1369..1458, 1527..1748, 1553..1747		

Seq. No.	33896	Seq. ID	OJ000121_11.0228.C28
Gene No.	70196	Strand	-
Start	2349	End	2731
Name	OJ000121_11.0228.C28.o2.gp	Method	AAT/GAP
Start	2349	End	2731
GI	3107859	Score	752
Exons	2349..2731		

Seq. No.	33897	Seq. ID	OJ000121_11.0228.C30
Gene No.	70197	Strand	
Start	6	End	212
Name	OJ000121_11.0228.C30.o1.ts	Method	TBLASTX:Soybean
Start	6	End	212
GI	none	Score	178
Exons	6..212		

Seq. No.	33898	Seq. ID	OJ000121_11.0228.C32
Gene No.	70199	Strand	+
Start	1004	End	1385
Name	OJ000121_11.0228.C32.o1.gp	Method	AAT/GAP
Start	1004	End	1385
GI	uC-osflcyp033a04b1	Score	667
Exons	1004..1385		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	33899	Seq. ID	OJ000121_11.0228.C33
Gene No.	70200	Strand	
Start	19	End	670
Name	OJ000121_11.0228.C33.o1.tw	Method	TBLASTX:Wheat
Start	19	End	505
GI	none	Score	52
Exons	19..462, 23..73, 128..505		

Seq. No.	33899	Seq. ID	OJ000121_11.0228.C33
Gene No.	70200	Strand	
Start	19	End	670
Name	OJ000121_11.0228.C33.o1.tm	Method	TBLASTX:Maize
Start	128	End	559
GI	none	Score	364
Exons	128..559, 167..346, 358..552		

Seq. No.	33899	Seq. ID	OJ000121_11.0228.C33
Gene No.	70200	Strand	
Start	19	End	670
Name	OJ000121_11.0228.C33.o1.tc	Method	TBLASTX:Cress
Start	152	End	469
GI	none	Score	179
Exons	152..469, 182..322		

Seq. No.	33899	Seq. ID	OJ000121_11.0228.C33
Gene No.	70200	Strand	
Start	19	End	670
Name	OJ000121_11.0228.C33.o1.ts	Method	TBLASTX:Soybean
Start	445	End	670
GI	none	Score	57
Exons	445..477, 446..478, 482..670,	484..522,	550..669

Seq. No.	33900	Seq. ID	OJ000121_11.0228.C35
Gene No.	70201	Strand	
Start	50	End	537
Name	OJ000121_11.0228.C35.o1.tw	Method	TBLASTX:Wheat
Start	50	End	513
GI	none	Score	201

Exons	50..493, 51..506, 52..513, 52..507		
Seq. No.	33900	Seq. ID	OJ000121_11.0228.C35
Gene No.	70201	Strand	
Start	50	End	537
Name	OJ000121_11.0228.C35.o1.ts	Method	TBLASTX:Soybean
Start	91	End	456
GI	none	Score	111
Exons	91..315, 322..456		
Seq. No.	33900	Seq. ID	OJ000121_11.0228.C35
Gene No.	70201	Strand	
Start	50	End	537
Name	OJ000121_11.0228.C35.o1.tm	Method	TBLASTX:Maize
Start	181	End	537
GI	none	Score	393
Exons	181..537, 216..527, 232..537		
Seq. No.	33900	Seq. ID	OJ000121_11.0228.C35
Gene No.	70202	Strand	
Start	620	End	1047
Name	OJ000121_11.0228.C35.o2.tw	Method	TBLASTX:Wheat
Start	620	End	1047
GI	none	Score	107
Exons	620..736, 621..734, 751..846, 752..853, 879..935, 960..1040, 961..1047		
Seq. No.	33901	Seq. ID	OJ000121_11.0228.C37
Gene No.	70203	Strand	-
Start	1	End	317
Name	OJ000121_11.0228.C37.o1.gp	Method	AAT/GAP
Start	1	End	311
GI	44750_1.R1084	Score	598
Exons	1..311		
GI Descrip.	'1657619 4.0e-18 (U72504) G5p [Arabidopsis thaliana] >gi_3068710 (AF049236) putative transmembrane protein G5p [Arabidopsis thaliana]'		
Seq. No.	33901	Seq. ID	OJ000121_11.0228.C37
Gene No.	70203	Strand	-
Start	1	End	317
Name	OJ000121_11.0228.C37.o1.tm	Method	TBLASTX:Maize
Start	1	End	317
GI	none	Score	308
Exons	1..288, 2..310, 3..317		
Seq. No.	33901	Seq. ID	OJ000121_11.0228.C37
Gene No.	70203	Strand	-
Start	1	End	317
Name	OJ000121_11.0228.C37.o1.tc	Method	TBLASTX:Cress
Start	5	End	265
GI	none	Score	119
Exons	5..265, 6..263		
Seq. No.	33901	Seq. ID	OJ000121_11.0228.C37
Gene No.	70203	Strand	-
Start	1	End	317

Name	OJ000121_11.0228.C37.o1.ts	Method	TBLASTX:Soybean
Start	5	End	266
GI	none	Score	161
Exons	5..265, 6..266		

Seq. No.	33901	Seq. ID	OJ000121_11.0228.C37
Gene No.	70203	Strand	-
Start	1	End	317
Name	OJ000121_11.0228.C37.o1.tw	Method	TBLASTX:Wheat
Start	117	End	317
GI	none	Score	143
Exons	117..317, 119..310		

Seq. No.	33902	Seq. ID	OJ000121_11.0228.C44
Gene No.	70204	Strand	-
Start	959	End	1562
Name	OJ000121_11.0228.C44.o1.gp	Method	AAT/GAP
Start	959	End	1261
GI	none	Score	558
Exons	959..1261		

Seq. No.	33902	Seq. ID	OJ000121_11.0228.C44
Gene No.	70204	Strand	-
Start	959	End	1562
Name	OJ000121_11.0228.C44.o1.tm	Method	TBLASTX:Maize
Start	1139	End	1562
GI	none	Score	142
Exons	1139..1273, 1141..1281, 1149..1298, 1500..1562		

Seq. No.	33903	Seq. ID	OJ000121_11.0228.C46
Gene No.	70205	Strand	
Start	6	End	259
Name	OJ000121_11.0228.C46.o1.tm	Method	TBLASTX:Maize
Start	6	End	259
GI	none	Score	89
Exons	6..116, 6..101, 13..117, 19..135, 91..246, 185..259, 190..258		

Seq. No.	33904	Seq. ID	OJ000121_11.0228.C50
Gene No.	70206	Strand	
Start	105	End	981
Name	OJ000121_11.0228.C50.o2.tw	Method	TBLASTX:Wheat
Start	105	End	981
GI	none	Score	120
Exons	105..344, 115..333, 910..981		

Seq. No.	33904	Seq. ID	OJ000121_11.0228.C50
Gene No.	70206	Strand	
Start	105	End	981
Name	OJ000121_11.0228.C50.o1.ts	Method	TBLASTX:Soybean
Start	354	End	762
GI	none	Score	83
Exons	354..749, 595..747, 631..762		

Seq. No.	33904	Seq. ID	OJ000121_11.0228.C50
Gene No.	70206	Strand	
Start	105	End	981
Name	OJ000121_11.0228.C50.o1.tw	Method	TBLASTX:Wheat

Start	409	End	834
GI	none	Score	299
Exons	409..834, 411..833		

Seq. No.	33904	Seq. ID	OJ000121_11.0228.C50
Gene No.	70206	Strand	
Start	105	End	981
Name	OJ000121_11.0228.C50.o1.tm	Method	TBLASTX:Maize
Start	507	End	890
GI	none	Score	197
Exons	507..890, 508..855		

Seq. No.	33905	Seq. ID	OJ000121_11.0228.C53
Gene No.	70207	Strand	-
Start	194	End	716
Name	OJ000121_11.0228.C53.o1.gp	Method	AAT/GAP
Start	194	End	716
GI	none	Score	1022
Exons	194..716		

Seq. No.	33906	Seq. ID	OJ000121_11.0228.C54
Gene No.	70208	Strand	
Start	108	End	324
Name	OJ000121_11.0228.C54.o1.ts	Method	TBLASTX:Soybean
Start	108	End	303
GI	none	Score	233
Exons	108..302, 109..303		

Seq. No.	33906	Seq. ID	OJ000121_11.0228.C54
Gene No.	70208	Strand	
Start	108	End	324
Name	OJ000121_11.0228.C54.o1.tm	Method	TBLASTX:Maize
Start	111	End	324
GI	none	Score	105
Exons	111..203, 115..204, 115..204, 146..208, 219..323, 223..324		

Seq. No.	33906	Seq. ID	OJ000121_11.0228.C54
Gene No.	70209	Strand	
Start	1160	End	1464
Name	OJ000121_11.0228.C54.o1.tc	Method	TBLASTX:Cress
Start	1160	End	1414
GI	none	Score	187
Exons	1160..1402, 1255..1401, 1274..1414		

Seq. No.	33906	Seq. ID	OJ000121_11.0228.C54
Gene No.	70209	Strand	
Start	1160	End	1464
Name	OJ000121_11.0228.C54.o2.tm	Method	TBLASTX:Maize
Start	1291	End	1464
GI	none	Score	177
Exons	1291..1464, 1292..1432, 1341..1436		

Seq. No.	33907	Seq. ID	OJ000121_11.0228.C55
Gene No.	70210	Strand	
Start	1138	End	1568
Name	OJ000121_11.0228.C55.o1.tm	Method	TBLASTX:Maize
Start	1138	End	1568

GI	none	Score	74
Exons	1138..1344, 1329..1463, 1343..1417, 1461..1568, 1472..1540		

Seq. No.	33908	Seq. ID	OJ000121_11.0228.C60
Gene No.	70211	Strand	
Start	16	End	450
Name	OJ000121_11.0228.C60.o1.tw	Method	TBLASTX:Wheat
Start	16	End	450
GI	none	Score	88
Exons	16..165, 17..154, 19..156, 199..450, 209..385, 253..450		

Seq. No.	33909	Seq. ID	OJ000121_11.0228.C63
Gene No.	70212	Strand	
Start	779	End	1141
Name	OJ000121_11.0228.C63.o1.ts	Method	TBLASTX:Soybean
Start	779	End	1141
GI	none	Score	195
Exons	779..1141		

Seq. No.	33910	Seq. ID	OJ000121_11.0228.C69
Gene No.	70213	Strand	+
Start	196	End	251
Name	OJ000121_11.0228.C69.o1.gp	Method	AAT/GAP
Start	196	End	251
GI	uC-osflcyp174f11b1	Score	112
Exons	196..251		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	33911	Seq. ID	OJ000121_11.0228.C76
Gene No.	70214	Strand	-
Start	295	End	1192
Name	OJ000121_11.0228.C76.o1.gp	Method	AAT/GAP
Start	295	End	1192
GI	none	Score	354
Exons	295..462, 1099..1192		

Seq. No.	33912	Seq. ID	OJ000121_11.0228.C78
Gene No.	70215	Strand	
Start	11	End	487
Name	OJ000121_11.0228.C78.o1.tw	Method	TBLASTX:Wheat
Start	11	End	487
GI	none	Score	113
Exons	11..91, 122..193, 272..487, 285..428		

Seq. No.	33913	Seq. ID	OJ000121_11.0228.C79
Gene No.	70216	Strand	-
Start	1	End	159
Name	OJ000121_11.0228.C79.o1.gp	Method	AAT/GAP
Start	1	End	159
GI	uC-osrocyp011c06b1	Score	318
Exons	1..159		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	33914	Seq. ID	OJ000121_11.0228.C82
Gene No.	70217	Strand	

Start	335	End	593
Name	OJ000121_11.0228.C82.o1.tm	Method	TBLASTX:Maize
Start	335	End	593
GI	none	Score	69
Exons	335..592, 449..550, 450..593		

Seq. No.	33915	Seq. ID	OJ000121_11.0228.C85
Gene No.	70218	Strand	
Start	118	End	540
Name	OJ000121_11.0228.C85.o1.tw	Method	TBLASTX:Wheat
Start	118	End	540
GI	none	Score	379
Exons	118..255, 119..538, 313..537, 383..538, 430..540		

Seq. No.	33916	Seq. ID	OJ000251_14.0225.C1
Gene No.	70219	Strand	+
Start	1	End	339
Name	OJ000251_14.0225.C1.o1.np	Method	AAT/NAP
Start	1	End	339
GI	113668	Score	103
Exons	1..96, 268..339		
GI Descrip.	**** ALU CLASS C WARNING ENTRY ****		

Seq. No.	33917	Seq. ID	OJ000251_14.0225.C2
Gene No.	70220	Strand	+
Start	1	End	10821
Name	OJ000251_14.0225.C2.o1.np	Method	AAT/NAP
Start	1	End	6797
GI	6686341	Score	557
Exons	1..296, 3578..3664, 3749..3824, 4249..4463, 4563..4639, 4918..5034, 5169..5434, 6403..6514, 6678..6797		
GI Descrip.	TRANSCRIPTION INITIATION FACTOR TFIID 100 KD SUBUNIT (TAFII-100) (TAFII100) gi|1932938 (U80191) TFIID subunit TAFII100 [Homo sapiens]		

Seq. No.	33917	Seq. ID	OJ000251_14.0225.C2
Gene No.	70220	Strand	+
Start	1	End	10821
Name	OJ000251_14.0225.C2.o1.gs	Method	GENSCAN
Start	672	End	10690
GI	none	Score	.72
Exons	672..812, 1164..1251, 1368..1477, 1668..1784, 2152..2303, 3554..3664, 3724..3748, 3910..3949, 4299..4463, 4563..4639, 4918..5034, 5169..5434, 6403..6498, 8534..8591, 10577..10690		

Seq. No.	33917	Seq. ID	OJ000251_14.0225.C2
Gene No.	70220	Strand	+
Start	1	End	10821
Name	OJ000251_14.0225.C2.o1.gp	Method	AAT/GAP
Start	10569	End	10821
GI	2797897	Score	394
Exons	10569..10821		

Seq. No.	33917	Seq. ID	OJ000251_14.0225.C2
Gene No.	70221	Strand	-
Start	12591	End	18903
Name	OJ000251_14.0225.C2.o2.tm	Method	TBLASTX:Maize

Start	523	End	1453
GI	none	Score	90
Exons	523..606, 524..601, 555..611, 692..751, 720..758, 758..829, 759..827, 937..1023, 942..1004, 1156..1251, 1163..1246, 1354..1452, 1367..1453		

Seq. No.	33917	Seq. ID	OJ000251_14.0225.C2
Gene No.	70221	Strand	-
Start	12591	End	18903
Name	OJ000251_14.0225.C2.o2.ts	Method	TBLASTX:Soybean
Start	3551	End	4464
GI	none	Score	148
Exons	3551..3664, 3561..3665, 3750..3818, 3755..3817, 3905..3931, 3910..3936, 4334..4429, 4372..4464		

Seq. No.	33917	Seq. ID	OJ000251_14.0225.C2
Gene No.	70221	Strand	-
Start	12591	End	18903
Name	OJ000251_14.0225.C2.o1.ts	Method	TBLASTX:Soybean
Start	4543	End	6790
GI	none	Score	153
Exons	4543..4635, 4556..4639, 4559..4645, 4902..5024, 4915..5019, 4920..5033, 4933..5019, 5158..5364, 5169..5432, 5171..5428, 5172..5429, 5196..5390, 5205..5417, 5222..5434, 6385..6474, 6397..6495, 6398..6496, 6578..6652, 6580..6642, 6740..6790, 6745..6786		

Seq. No.	33917	Seq. ID	OJ000251_14.0225.C2
Gene No.	70221	Strand	-
Start	12591	End	18903
Name	OJ000251_14.0225.C2.o1.tm	Method	TBLASTX:Maize
Start	4565	End	5417
GI	none	Score	144
Exons	4565..4639, 4569..4646, 4569..4640, 4894..5034, 4915..5019, 4923..5033, 5169..5285, 5171..5284, 5172..5411, 5229..5417		

Seq. No.	33917	Seq. ID	OJ000251_14.0225.C2
Gene No.	70221	Strand	-
Start	12591	End	18903
Name	OJ000251_14.0225.C2.o2.gs	Method	GENSCAN
Start	12591	End	18903
GI	none	Score	.43
Exons	12591..12617, 13324..13412, 13635..13778, 16514..16717, 16735..16836, 17285..17537, 17542..17816, 18500..18703, 18854..18903		

Seq. No.	33917	Seq. ID	OJ000251_14.0225.C2
Gene No.	70221	Strand	-
Start	12591	End	18903
Name	OJ000251_14.0225.C2.o3.np	Method	AAT/NAP
Start	13073	End	18376
GI	6498458	Score	223
Exons	13073..13096, 16169..16224, 17231..17553, 18338..18376		
GI Descrip.	(AP000816) hypothetical protein [Oryza sativa]		

Seq. No.	33917	Seq. ID	OJ000251_14.0225.C2
Gene No.	70221	Strand	-

Start	12591	End	18903
Name	OJ000251_14.0225.C2.o2.np	Method	AAT/NAP
Start	13445	End	13908
GI	5042454	Score	247
Exons	13445..13498, 13735..13908		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	33918	Seq. ID	OJ000251_14.0225.C3
Gene No.	70222	Strand	+
Start	765	End	3899
Name	OJ000251_14.0225.C3.o1.gp	Method	AAT/GAP
Start	765	End	1856
GI	44707_1.R1084	Score	960
Exons	765..1171, 1766..1856		
GI Descrip.	'3128169 1.0e-14 (AC004521) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	33918	Seq. ID	OJ000251_14.0225.C3
Gene No.	70222	Strand	+
Start	765	End	3899
Name	OJ000251_14.0225.C3.o1.np	Method	AAT/NAP
Start	1028	End	3700
GI	3128168	Score	1219
Exons	1028..1171, 1766..1852, 1991..2248, 2356..2520, 2697..2750, 2909..3055, 3326..3700		
GI Descrip.	(AC004521) unknown protein [Arabidopsis thaliana]		

Seq. No.	33918	Seq. ID	OJ000251_14.0225.C3
Gene No.	70222	Strand	+
Start	765	End	3899
Name	OJ000251_14.0225.C3.o1.gs	Method	GENSCAN
Start	1034	End	3703
GI	none	Score	.98
Exons	1034..1171, 1766..1852, 1991..2248, 2356..2520, 2697..2750, 2909..3055, 3326..3703		

Seq. No.	33918	Seq. ID	OJ000251_14.0225.C3
Gene No.	70222	Strand	+
Start	765	End	3899
Name	OJ000251_14.0225.C3.o2.gp	Method	AAT/GAP
Start	2029	End	3899
GI	15873_1.R1084	Score	1894
Exons	2029..2248, 2356..2520, 2697..2750, 2909..3055, 3326..3769, 3810..3899		
GI Descrip.	'3128168 1.0e-116 (AC004521) putative carboxyl-terminal peptidase [Arabidopsis thaliana]'		

Seq. No.	33918	Seq. ID	OJ000251_14.0225.C3
Gene No.	70223	Strand	-
Start	4443	End	4714
Name	OJ000251_14.0225.C3.o1.tm	Method	TBLASTX:Maize
Start	1118	End	3702
GI	none	Score	92
Exons	1118..1171, 1125..1169, 1754..1858, 1765..1845, 1973..2248, 1987..2247, 1995..2249, 1996..2250, 2353..2523, 2353..2520, 2355..2522, 2694..2750, 2696..2749, 2908..3057, 2909..3055, 2911..3063, 3296..3442, 3299..3700, 3325..3663, 3598..3702,		

3650..3691

Seq. No.	33918	Seq. ID	OJ000251_14.0225.C3
Gene No.	70223	Strand	-
Start	4443	End	4714
Name	OJ000251_14.0225.C3.o2.ts	Method	TBLASTX:Soybean
Start	1121	End	2200
GI	none	Score	58
Exons	1121..1171, 1754..1858, 1760..1852, 1973..2200, 1990..2196		

Seq. No.	33918	Seq. ID	OJ000251_14.0225.C3
Gene No.	70223	Strand	-
Start	4443	End	4714
Name	OJ000251_14.0225.C3.o3.tc	Method	TBLASTX:Cress
Start	1121	End	2035
GI	none	Score	59
Exons	1121..1171, 1742..1855, 1754..1858, 1973..2035		

Seq. No.	33918	Seq. ID	OJ000251_14.0225.C3
Gene No.	70223	Strand	-
Start	4443	End	4714
Name	OJ000251_14.0225.C3.o2.tw	Method	TBLASTX:Wheat
Start	1760	End	2212
GI	none	Score	151
Exons	1760..1858, 1765..1845, 1973..2029, 2078..2212, 2083..2184		

Seq. No.	33918	Seq. ID	OJ000251_14.0225.C3
Gene No.	70223	Strand	-
Start	4443	End	4714
Name	OJ000251_14.0225.C3.o2.tc	Method	TBLASTX:Cress
Start	2078	End	2750
GI	none	Score	159
Exons	2078..2200, 2080..2184, 2353..2523, 2355..2522, 2694..2750, 2696..2749		

Seq. No.	33918	Seq. ID	OJ000251_14.0225.C3
Gene No.	70223	Strand	-
Start	4443	End	4714
Name	OJ000251_14.0225.C3.o1.ts	Method	TBLASTX:Soybean
Start	2352	End	3706
GI	none	Score	297
Exons	2352..2522, 2353..2523, 2694..2750, 2908..3057, 2909..3055, 3299..3706, 3323..3439, 3325..3663		

Seq. No.	33918	Seq. ID	OJ000251_14.0225.C3
Gene No.	70223	Strand	-
Start	4443	End	4714
Name	OJ000251_14.0225.C3.o3.tw	Method	TBLASTX:Wheat
Start	2415	End	3361
GI	none	Score	79
Exons	2415..2480, 2416..2484, 2694..2750, 2912..3055, 2914..3057, 2926..3057, 3299..3361		

Seq. No.	33918	Seq. ID	OJ000251_14.0225.C3
Gene No.	70223	Strand	-
Start	4443	End	4714
Name	OJ000251_14.0225.C3.o1.tc	Method	TBLASTX:Cress

Start	2908	End	3628
GI	none	Score	208
Exons	2908..3057, 2909..3055, 3296..3436, 3299..3628, 3325..3627		

Seq. No.	33918	Seq. ID	OJ000251_14.0225.C3
Gene No.	70223	Strand	-
Start	4443	End	4714
Name	OJ000251_14.0225.C3.o1.tw	Method	TBLASTX:Wheat
Start	3439	End	3702
GI	none	Score	392
Exons	3439..3663, 3440..3694, 3598..3702, 3650..3676		

Seq. No.	33918	Seq. ID	OJ000251_14.0225.C3
Gene No.	70223	Strand	-
Start	4443	End	4714
Name	OJ000251_14.0225.C3.o2.gs	Method	GENSCAN
Start	4443	End	4714
GI	none	Score	.59
Exons	4443..4483, 4670..4714		

Seq. No.	33919	Seq. ID	OJ000251_14.0225.C4
Gene No.	70224	Strand	+
Start	3960	End	4093
Name	OJ000251_14.0225.C4.o1.np	Method	AAT/NAP
Start	3960	End	4093
GI	5924046	Score	101
Exons	3960..4093		
GI Descrip.	(AJ011558) ae3 [Zea mays] gi|5924050|emb|CAB56553.1| (AJ011560) ae3 protein [Zea mays]		

Seq. No.	33919	Seq. ID	OJ000251_14.0225.C4
Gene No.	70225	Strand	+
Start	16502	End	17034
Name	OJ000251_14.0225.C4.o4.gp	Method	AAT/GAP
Start	16502	End	17034
GI	none	Score	1022
Exons	16502..17034		

Seq. No.	33919	Seq. ID	OJ000251_14.0225.C4
Gene No.	70226	Strand	-
Start	6056	End	15665
Name	OJ000251_14.0225.C4.o1.gp	Method	AAT/GAP
Start	5607	End	5928
GI	2801343	Score	399
Exons	5607..5928		

Seq. No.	33919	Seq. ID	OJ000251_14.0225.C4
Gene No.	70226	Strand	-
Start	6056	End	15665
Name	OJ000251_14.0225.C4.o2.gs	Method	GENSCAN
Start	6056	End	15665
GI	none	Score	.71
Exons	6056..6171, 6237..6351, 6752..6832, 7087..7179, 7298..7452, 7546..7654, 7814..8004, 8986..9117, 9998..10251, 10938..11110, 11546..11821, 12362..12481, 12574..12699, 13247..13550, 13830..14183, 14219..14493, 14612..14763, 15644..15665		

Seq. No.	33919	Seq. ID	OJ000251_14.0225.C4
Gene No.	70226	Strand	-
Start	6056	End	15665
Name	OJ000251_14.0225.C4.o2.np	Method	AAT/NAP
Start	6103	End	12448
GI	6729045	Score	1590
Exons	6103..6171, 6752..6832, 7087..7179, 7298..7452, 7546..7654, 7814..8006, 8919..9137, 9976..10251, 10938..11110, 11546..11821, 12362..12448		
GI Descrip.	(AC009177) putative aminopeptidase [Arabidopsis thaliana]		

Seq. No.	33919	Seq. ID	OJ000251_14.0225.C4
Gene No.	70226	Strand	-
Start	6056	End	15665
Name	OJ000251_14.0225.C4.o3.np	Method	AAT/NAP
Start	6109	End	13253
GI	6968120	Score	593
Exons	6109..6171, 6752..6832, 7087..7179, 7298..7452, 7546..7654, 7814..8004, 8986..9137, 9976..10120, 10913..11110, 11546..11746, 12307..12481, 12574..12699, 13152..13253		
GI Descrip.	(AL139075) putative aminopeptidase [Campylobacter jejuni]		

Seq. No.	33919	Seq. ID	OJ000251_14.0225.C4
Gene No.	70226	Strand	-
Start	6056	End	15665
Name	OJ000251_14.0225.C4.o2.gp	Method	AAT/GAP
Start	9997	End	10162
GI	none	Score	312
Exons	9997..10162		

Seq. No.	33919	Seq. ID	OJ000251_14.0225.C4
Gene No.	70226	Strand	-
Start	6056	End	15665
Name	OJ000251_14.0225.C4.o3.gp	Method	AAT/GAP
Start	13232	End	13536
GI	none	Score	570
Exons	13232..13536		

Seq. No.	33919	Seq. ID	OJ000251_14.0225.C4
Gene No.	70227	Strand	-
Start	16941	End	20128
Name	OJ000251_14.0225.C4.o1.tm	Method	TBLASTX:Maize
Start	7141	End	9061
GI	none	Score	247
Exons	7141..7185, 7298..7453, 7299..7454, 7525..7656, 7541..7663, 7542..7655, 7812..8003, 7814..8005, 7814..8008, 7815..8006, 8984..9058, 8984..9061, 8985..9059		

Seq. No.	33919	Seq. ID	OJ000251_14.0225.C4
Gene No.	70227	Strand	-
Start	16941	End	20128
Name	OJ000251_14.0225.C4.o1.ts	Method	TBLASTX:Soybean
Start	7391	End	9074
GI	none	Score	72
Exons	7391..7453, 7392..7454, 7541..7663, 7542..7655, 7547..7660, 7814..7999, 7815..8000, 8987..9073, 8988..9074		

Seq. No.	33919	Seq. ID	OJ000251_14.0225.C4
Gene No.	70227	Strand	-
Start	16941	End	20128
Name	OJ000251_14.0225.C4.o3.tm	Method	TBLASTX:Maize
Start	10051	End	11764
GI	none	Score	86
Exons	10051..10125, 10104..10199, 10119..10199, 10126..10200, 10197..10313, 10201..10254, 10937..11110, 10938..11162, 11535..11759, 11546..11764, 11546..11764		

Seq. No.	33919	Seq. ID	OJ000251_14.0225.C4
Gene No.	70227	Strand	-
Start	16941	End	20128
Name	OJ000251_14.0225.C4.o3.gs	Method	GENSCAN
Start	16941	End	20023
GI	none	Score	.93
Exons	16941..17114, 17256..17474, 18122..18259, 18372..18572, 19379..19506, 19634..19709, 19874..20023		

Seq. No.	33919	Seq. ID	OJ000251_14.0225.C4
Gene No.	70227	Strand	-
Start	16941	End	20128
Name	OJ000251_14.0225.C4.o4.np	Method	AAT/NAP
Start	16944	End	20128
GI	2335096	Score	385
Exons	16944..17038, 17162..17529, 17688..17748, 18122..18259, 18372..18572, 19379..19506, 19634..19709, 19874..20128		
GI Descrip.	(AC002339) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33919	Seq. ID	OJ000251_14.0225.C4
Gene No.	70227	Strand	-
Start	16941	End	20128
Name	OJ000251_14.0225.C4.o2.tm	Method	TBLASTX:Maize
Start	18133	End	20027
GI	none	Score	121
Exons	18133..18258, 18133..18258, 18138..18260, 18140..18265, 18161..18265, 18364..18570, 18372..18569, 18377..18583, 18389..18583, 19382..19510, 19382..19510, 19386..19520, 19629..19712, 19634..19711, 19638..19727, 19639..19737, 19874..20023, 19874..20023, 19875..20024, 19888..20025, 19962..20027		

Seq. No.	33920	Seq. ID	OJ000251_14.0225.C5
Gene No.	70228	Strand	-
Start	1	End	4661
Name	OJ000251_14.0225.C5.o1.np	Method	AAT/NAP
Start	1	End	3885
GI	2335096	Score	836
Exons	1..287, 731..1017, 1414..1612, 1957..2109, 2762..2845, 2994..3108, 3217..3341, 3514..3588, 3735..3885		
GI Descrip.	(AC002339) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33920	Seq. ID	OJ000251_14.0225.C5
Gene No.	70228	Strand	-
Start	1	End	4661
Name	OJ000251_14.0225.C5.o1.tm	Method	TBLASTX:Maize
Start	43	End	839

GI	none	Score	74
Exons	43..204, 45..149, 62..196, 70..198, 204..290, 205..288, 207..290, 374..535, 376..435, 398..532, 728..838, 729..839, 729..839		

Seq. No.	33920	Seq. ID	OJ000251_14.0225.C5
Gene No.	70228	Strand	-
Start	1	End	4661
Name	OJ000251_14.0225.C5.o1.gs	Method	GENSCAN
Start	147	End	4661
GI	none	Score	.75
Exons	147..287, 380..529, 731..1017, 1108..1304, 1440..1612, 2062..2109, 2762..2890, 2994..3108, 3514..3588, 4543..4661		

Seq. No.	33920	Seq. ID	OJ000251_14.0225.C5
Gene No.	70228	Strand	-
Start	1	End	4661
Name	OJ000251_14.0225.C5.o2.ts	Method	TBLASTX:Soybean
Start	1104	End	1304
GI	none	Score	108
Exons	1104..1304, 1106..1303		

Seq. No.	33920	Seq. ID	OJ000251_14.0225.C5
Gene No.	70228	Strand	-
Start	1	End	4661
Name	OJ000251_14.0225.C5.o2.tm	Method	TBLASTX:Maize
Start	1189	End	2116
GI	none	Score	96
Exons	1189..1290, 1198..1290, 1211..1303, 1212..1304, 1400..1468, 1401..1463, 1401..1469, 1402..1470, 1505..1612, 1516..1608, 1524..1613, 2059..2112, 2060..2116		

Seq. No.	33920	Seq. ID	OJ000251_14.0225.C5
Gene No.	70228	Strand	-
Start	1	End	4661
Name	OJ000251_14.0225.C5.o1.tc	Method	TBLASTX:Cress
Start	2753	End	3870
GI	none	Score	71
Exons	2753..2881, 3006..3107, 3216..3389, 3511..3588, 3530..3589, 3735..3869, 3745..3870		

Seq. No.	33920	Seq. ID	OJ000251_14.0225.C5
Gene No.	70228	Strand	-
Start	1	End	4661
Name	OJ000251_14.0225.C5.o3.tm	Method	TBLASTX:Maize
Start	2753	End	3096
GI	none	Score	53
Exons	2753..2890, 2761..2892, 2762..2908, 2991..3095, 3007..3096		

Seq. No.	33920	Seq. ID	OJ000251_14.0225.C5
Gene No.	70228	Strand	-
Start	1	End	4661
Name	OJ000251_14.0225.C5.o1.ts	Method	TBLASTX:Soybean
Start	3276	End	3870
GI	none	Score	77
Exons	3276..3389, 3511..3582, 3530..3589, 3732..3869, 3745..3870		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70229	Strand	+
Start	20806	End	21433
Name	OJ000251_14.0225.C6.o1.gp	Method	AAT/GAP
Start	20806	End	21433
GI	65_2.R1084	Score	1194
Exons	20806..21433		
GI Descrip.	'296129/emb|CAA46197| 1.0e-41 (X65064) prolamin [Oryza sativa] >gi_971122_dbj_BAA09940_ (D63901) 13kDa prolamin [Oryza sativa]'		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70229	Strand	+
Start	20806	End	21433
Name	OJ000251_14.0225.C6.o4.np	Method	AAT/NAP
Start	20849	End	21316
GI	6174927	Score	804
Exons	20849..21316		
GI Descrip.	13 KD PROLAMIN PRECURSOR gi|296129|emb|CAA46197| (X65064) prolamin [Oryza sativa] gi|971122|dbj|BAA09940| (D63901) 13kDa prolamin [Oryza sativa]		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70230	Strand	+
Start	25780	End	26401
Name	OJ000251_14.0225.C6.o2.gp	Method	AAT/GAP
Start	25780	End	26401
GI	65_1.R1084	Score	1215
Exons	25780..26401		
GI Descrip.	'4126691/dbj|BAA36697| 2.0e-35 (AB016503) prolamin [Oryza sativa]'		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70230	Strand	+
Start	25780	End	26401
Name	OJ000251_14.0225.C6.o5.np	Method	AAT/NAP
Start	25819	End	26286
GI	4126691	Score	799
Exons	25819..26286		
GI Descrip.	(AB016503) prolamin [Oryza sativa]		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70231	Strand	+
Start	32218	End	32322
Name	OJ000251_14.0225.C6.o3.gp	Method	AAT/GAP
Start	32218	End	32322
GI	69953_1.R1084	Score	120
Exons	32218..32322		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70232	Strand	+
Start	39761	End	42115
Name	OJ000251_14.0225.C6.o9.gs	Method	GENSCAN
Start	39761	End	42115
GI	none	Score	.73
Exons	39761..40114, 40422..40550, 42092..42115		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70233	Strand	-
Start	763	End	2435
Name	OJ000251_14.0225.C6.o1.np	Method	AAT/NAP
Start	763	End	2435
GI	6539588	Score	294
Exons	763..810, 2140..2435		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70234	Strand	-
Start	5396	End	13643
Name	OJ000251_14.0225.C6.o2.gs	Method	GENSCAN
Start	5396	End	6676
GI	none	Score	.78
Exons	5396..5572, 5697..5784, 6618..6676		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70234	Strand	-
Start	5396	End	13643
Name	OJ000251_14.0225.C6.o2.np	Method	AAT/NAP
Start	5977	End	8670
GI	4689223	Score	147
Exons	5977..6030, 8309..8670		
GI Descrip.	(AF118127) disease resistance protein I2 [Lycopersicon esculentum]		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70234	Strand	-
Start	5396	End	13643
Name	OJ000251_14.0225.C6.o3.gs	Method	GENSCAN
Start	7847	End	10651
GI	none	Score	.53
Exons	7847..8662, 8692..8870, 10265..10556, 10592..10651		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70234	Strand	-
Start	5396	End	13643
Name	OJ000251_14.0225.C6.o3.np	Method	AAT/NAP
Start	10147	End	13643
GI	6498434	Score	49
Exons	10147..10187, 12403..12490, 13617..13643		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70235	Strand	-
Start	27592	End	33696
Name	OJ000251_14.0225.C6.o7.gs	Method	GENSCAN
Start	27592	End	33696
GI	none	Score	.5
Exons	27592..27647, 28824..29819, 31539..31803, 32590..33696		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70235	Strand	-
Start	27592	End	33696
Name	OJ000251_14.0225.C6.o6.np	Method	AAT/NAP

Start	31462	End	33678
GI	3319343	Score	1564
Exons	31462..31907, 32590..33678		
GI Descrip.	(AF077407) contains similarity to sugar transporters (Pfam: sugar_tr.hmm, score: 395.91) [Arabidopsis thaliana]		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70236	Strand	-
Start	35065	End	40606
Name	OJ000251_14.0225.C6.o4.tw	Method	TBLASTX:Wheat
Start	1	End	362
GI	none	Score	182
Exons	1..168, 2..226, 263..349, 333..362		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70236	Strand	-
Start	35065	End	40606
Name	OJ000251_14.0225.C6.o1.tw	Method	TBLASTX:Wheat
Start	28999	End	29382
GI	none	Score	81
Exons	28999..29382, 29150..29353		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70236	Strand	-
Start	35065	End	40606
Name	OJ000251_14.0225.C6.o1.ts	Method	TBLASTX:Soybean
Start	31473	End	33658
GI	none	Score	257
Exons	31473..31589, 31489..31845, 31647..31844, 32575..32823, 32630..32851, 32932..33489, 32942..33367, 33413..33475, 33490..33657, 33497..33658		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70236	Strand	-
Start	35065	End	40606
Name	OJ000251_14.0225.C6.o1.tc	Method	TBLASTX:Cress
Start	31485	End	33657
GI	none	Score	173
Exons	31485..31553, 31548..31583, 31549..31848, 31647..31847, 32584..32820, 32621..32851, 32917..33480, 32945..33442, 33466..33657, 33485..33634		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70236	Strand	-
Start	35065	End	40606
Name	OJ000251_14.0225.C6.o3.tm	Method	TBLASTX:Maize
Start	31497	End	31863
GI	none	Score	242
Exons	31497..31589, 31513..31863, 31647..31862		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70236	Strand	-
Start	35065	End	40606
Name	OJ000251_14.0225.C6.o3.tw	Method	TBLASTX:Wheat
Start	31543	End	31844
GI	none	Score	196
Exons	31543..31839, 31545..31583, 31647..31844		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70236	Strand	-
Start	35065	End	40606
Name	OJ000251_14.0225.C6.o2.tm	Method	TBLASTX:Maize
Start	32585	End	33246
GI	none	Score	122
Exons	32585..32836, 32590..32823, 32917..32979, 32965..33246, 33005..33244		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70236	Strand	-
Start	35065	End	40606
Name	OJ000251_14.0225.C6.o4.tm	Method	TBLASTX:Maize
Start	33284	End	33666
GI	none	Score	183
Exons	33284..33634, 33286..33666		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70236	Strand	-
Start	35065	End	40606
Name	OJ000251_14.0225.C6.o4.gp	Method	AAT/GAP
Start	34796	End	40606
GI	827_1.R1084	Score	2824
Exons	34796..35176, 35265..35343, 35499..35592, 36292..36435, 36650..36850, 36945..37028, 37279..37326, 37469..37523, 37890..37945, 38041..38125, 38245..38318, 38852..38918, 39893..40001, 40486..40606		
GI Descrip.	'3560531 0.0e+00 (AF042332) cycloartenol-C24-methyltransferase [Oryza sativa subsp. japonica]'		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70236	Strand	-
Start	35065	End	40606
Name	OJ000251_14.0225.C6.o8.gs	Method	GENSCAN
Start	35065	End	38904
GI	none	Score	.92
Exons	35065..35176, 35499..35596, 36310..36435, 36650..36850, 36945..37028, 37279..37326, 38041..38125, 38245..38289, 38852..38904		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70236	Strand	-
Start	35065	End	40606
Name	OJ000251_14.0225.C6.o1.tm	Method	TBLASTX:Maize
Start	35264	End	39976
GI	none	Score	81
Exons	35264..35341, 35265..35345, 35284..35343, 35493..35597, 35498..35596, 36296..36436, 36304..36438, 36310..36438, 36644..36850, 36648..36887, 36650..36850, 36937..37029, 36942..37034, 36943..37047, 36944..37036, 37261..37329, 37467..37526, 37469..37525, 37516..37563, 37881..37949, 37892..37945, 38038..38127, 38038..38127, 38039..38128, 38244..38318, 38246..38320, 38246..38326, 38846..38917, 38850..38918, 38850..38918, 39890..39976, 39892..39975		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6

Gene No.	70236	Strand	-
Start	35065	End	40606
Name	OJ000251_14.0225.C6.o7.np	Method	AAT/NAP
Start	35289	End	39975
GI	3560531	Score	1502
Exons	35289..35343, 35499..35596, 36295..36435, 36650..36850, 36945..37028, 37279..37326, 37469..37523, 37890..37945, 38041..38125, 38245..38318, 38852..38918, 39893..39975		
GI Descrip.	(AF042332) cycloartenol-C24-methyltransferase [Oryza sativa subsp. japonica]		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70236	Strand	-
Start	35065	End	40606
Name	OJ000251_14.0225.C6.o2.ts	Method	TBLASTX:Soybean
Start	35298	End	39972
GI	none	Score	110
Exons	35298..35345, 35498..35596, 35502..35651, 36304..36438, 36305..36436, 36642..36848, 36644..36847, 36948..37034, 36949..37029, 37261..37329, 37467..37526, 37469..37525, 37881..37949, 37892..37945, 38038..38127, 38039..38128, 38242..38319, 38244..38318, 38850..38918, 39892..39972		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70236	Strand	-
Start	35065	End	40606
Name	OJ000251_14.0225.C6.o4.tc	Method	TBLASTX:Cress
Start	35298	End	36438
GI	none	Score	64
Exons	35298..35345, 35299..35346, 35498..35596, 35499..35651, 36304..36438, 36305..36436		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70236	Strand	-
Start	35065	End	40606
Name	OJ000251_14.0225.C6.o3.tc	Method	TBLASTX:Cress
Start	36641	End	37169
GI	none	Score	53
Exons	36641..36841, 36644..36841, 36951..37025, 36952..37023, 37137..37169		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70236	Strand	-
Start	35065	End	40606
Name	OJ000251_14.0225.C6.o2.tc	Method	TBLASTX:Cress
Start	37467	End	39961
GI	none	Score	67
Exons	37467..37514, 37469..37513, 37890..37949, 37892..37945, 38038..38127, 38039..38128, 38242..38319, 38244..38318, 38252..38320, 38850..38933, 39890..39961, 39892..39960		

Seq. No.	33921	Seq. ID	OJ000251_14.0225.C6
Gene No.	70236	Strand	-
Start	35065	End	40606
Name	OJ000251_14.0225.C6.o2.tw	Method	TBLASTX:Wheat
Start	37469	End	39997
GI	none	Score	67

Exons	37469..37516, 37470..37529, 37470..37535, 37883..37945, 37890..37949, 37890..37946, 37891..37950, 37891..37947, 38038..38127, 38039..38128, 38242..38319, 38243..38326, 38243..38317, 38244..38318, 38850..38918, 38851..38916, 39890..39997, 39892..39981, 39896..39985		

Seq. No.	33922	Seq. ID	OJ000251_14.0225.C7
Gene No.	70237	Strand	+
Start	1884	End	3656
Name	OJ000251_14.0225.C7.o1.gs	Method	GENSCAN
Start	1884	End	3656
GI	none	Score	.62
Exons	1884..1908, 2815..3030, 3556..3656		

Seq. No.	33922	Seq. ID	OJ000251_14.0225.C7
Gene No.	70238	Strand	+
Start	4508	End	9282
Name	OJ000251_14.0225.C7.o2.gs	Method	GENSCAN
Start	4508	End	9282
GI	none	Score	.8
Exons	4508..4648, 4979..5029, 5924..6104, 8726..8886, 8901..9282		

Seq. No.	33922	Seq. ID	OJ000251_14.0225.C7
Gene No.	70239	Strand	-
Start	4862	End	5256
Name	OJ000251_14.0225.C7.o1.gp	Method	AAT/GAP
Start	4862	End	5256
GI	none	Score	642
Exons	4862..5256		

Seq. No.	33922	Seq. ID	OJ000251_14.0225.C7
Gene No.	70240	Strand	-
Start	8835	End	9345
Name	OJ000251_14.0225.C7.o1.tm	Method	TBLASTX:Maize
Start	5404	End	9230
GI	none	Score	73
Exons	5404..5478, 5407..5475, 8838..8990, 8838..9158, 8839..9087, 9159..9230		

Seq. No.	33922	Seq. ID	OJ000251_14.0225.C7
Gene No.	70240	Strand	-
Start	8835	End	9345
Name	OJ000251_14.0225.C7.o1.np	Method	AAT/NAP
Start	8835	End	9345
GI	4584532	Score	199
Exons	8835..9345		
GI Descrip.	(AL049608) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	33923	Seq. ID	OJ000251_14.0225.C8
Gene No.	70241	Strand	+
Start	653	End	703
Name	OJ000251_14.0225.C8.o1.gs	Method	GENSCAN
Start	653	End	703
GI	none	Score	.92
Exons	653..703		

Seq. No.	33924	Seq. ID	OJ000251_14.0225.C9

Gene No.	70242	Strand	+
Start	548	End	1797
Name	OJ000251_14.0225.C9.o1.gs	Method	GENSCAN
Start	548	End	1797
GI	none	Score	.64
Exons	548..1157, 1238..1797		

Seq. No.	33924	Seq. ID	OJ000251_14.0225.C9
Gene No.	70242	Strand	+
Start	548	End	1797
Name	OJ000251_14.0225.C9.o1.np	Method	AAT/NAP
Start	549	End	1785
GI	6648215	Score	780
Exons	549..1157, 1238..1560, 1591..1785		
GI Descrip.	(AC013483) unknown protein [Arabidopsis thaliana]		

Seq. No.	33924	Seq. ID	OJ000251_14.0225.C9
Gene No.	70243	Strand	-
Start	5074	End	7875
Name	OJ000251_14.0225.C9.o2.gs	Method	GENSCAN
Start	5074	End	7875
GI	none	Score	.71
Exons	5074..5399, 5499..7875		

Seq. No.	33924	Seq. ID	OJ000251_14.0225.C9
Gene No.	70243	Strand	-
Start	5074	End	7875
Name	OJ000251_14.0225.C9.o2.np	Method	AAT/NAP
Start	5074	End	7854
GI	2335097	Score	2471
Exons	5074..5399, 5499..7854		
GI Descrip.	(AC002339) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	33924	Seq. ID	OJ000251_14.0225.C9
Gene No.	70244	Strand	-
Start	11245	End	11364
Name	OJ000251_14.0225.C9.o3.tm	Method	TBLASTX:Maize
Start	625	End	1848
GI	none	Score	203
Exons	625..771, 626..772, 905..1057, 1097..1180, 1099..1167, 1176..1532, 1221..1292, 1246..1533, 1381..1536, 1644..1790, 1645..1782, 1816..1848		

Seq. No.	33924	Seq. ID	OJ000251_14.0225.C9
Gene No.	70244	Strand	-
Start	11245	End	11364
Name	OJ000251_14.0225.C9.o3.ts	Method	TBLASTX:Soybean
Start	656	End	1782
GI	none	Score	125
Exons	656..772, 658..771, 953..979, 1094..1180, 1221..1529, 1246..1533, 1644..1778, 1645..1782		

Seq. No.	33924	Seq. ID	OJ000251_14.0225.C9
Gene No.	70244	Strand	-
Start	11245	End	11364
Name	OJ000251_14.0225.C9.o3.tc	Method	TBLASTX:Cress

Start	1096	End	1773
GI	none	Score	50
Exons	1096..1155, 1097..1180, 1246..1536, 1251..1532, 1645..1773, 1662..1772		

Seq. No.	33924	Seq. ID	OJ000251_14.0225.C9
Gene No.	70244	Strand	-
Start	11245	End	11364
Name	OJ000251_14.0225.C9.o2.tw	Method	TBLASTX:Wheat
Start	1644	End	1784
GI	none	Score	180
Exons	1644..1784, 1645..1782		

Seq. No.	33924	Seq. ID	OJ000251_14.0225.C9
Gene No.	70244	Strand	-
Start	11245	End	11364
Name	OJ000251_14.0225.C9.o1.ts	Method	TBLASTX:Soybean
Start	5062	End	5602
GI	none	Score	253
Exons	5062..5400, 5075..5401, 5500..5601, 5500..5595, 5501..5602		

Seq. No.	33924	Seq. ID	OJ000251_14.0225.C9
Gene No.	70244	Strand	-
Start	11245	End	11364
Name	OJ000251_14.0225.C9.o2.tm	Method	TBLASTX:Maize
Start	5074	End	6004
GI	none	Score	434
Exons	5074..5400, 5075..5401, 5075..5401, 5136..5405, 5498..5728, 5500..5808, 5501..5743, 5755..6003, 5756..6004, 5756..6004		

Seq. No.	33924	Seq. ID	OJ000251_14.0225.C9
Gene No.	70244	Strand	-
Start	11245	End	11364
Name	OJ000251_14.0225.C9.o1.tc	Method	TBLASTX:Cress
Start	5224	End	5904
GI	none	Score	151
Exons	5224..5400, 5228..5401, 5306..5401, 5498..5722, 5500..5727, 5501..5731, 5758..5904, 5765..5896		

Seq. No.	33924	Seq. ID	OJ000251_14.0225.C9
Gene No.	70244	Strand	-
Start	11245	End	11364
Name	OJ000251_14.0225.C9.o2.ts	Method	TBLASTX:Soybean
Start	5998	End	7503
GI	none	Score	67
Exons	5998..6105, 5999..6106, 6160..6267, 6187..6759, 6299..6487, 6313..6651, 6739..6930, 6793..6975, 6862..7047, 7009..7191, 7027..7218, 7093..7230, 7327..7503, 7327..7479, 7396..7503		

Seq. No.	33924	Seq. ID	OJ000251_14.0225.C9
Gene No.	70244	Strand	-
Start	11245	End	11364
Name	OJ000251_14.0225.C9.o1.tm	Method	TBLASTX:Maize
Start	6208	End	7596
GI	none	Score	89
Exons	6208..6270, 6209..6274, 6218..6274, 6268..6294, 6269..6295, 6270..6296, 6294..6410, 6298..6981, 6299..6628, 6304..6972,		

6709..7125, 6793..7197, 6862..7227, 6892..7074, 6931..7227,
6959..6976, 6962..7222, 7036..7218, 7327..7503, 7327..7413,
7333..7488, 7369..7500, 7396..7503, 7561..7596

Seq. No.	33924	Seq. ID	OJ000251_14.0225.C9
Gene No.	70244	Strand	-
Start	11245	End	11364
Name	OJ000251_14.0225.C9.o2.tc	Method	TBLASTX:Cress
Start	6301	End	7614
GI	none	Score	70
Exons	6301..6456, 6322..6573, 6382..6567, 6385..6573, 6385..6570, 6385..6567, 6385..6504, 6385..6567, 6385..6567, 6385..6567, 6388..6573, 6448..6552, 6457..6567, 6565..7158, 6577..7230, 6577..7227, 6604..6651, 6607..7218, 6688..7230, 6688..7218, 6748..7218, 6829..7227, 6871..7230, 6895..7500, 6962..7192, 7273..7503, 7327..7503, 7327..7503, 7327..7500, 7327..7476, 7327..7491, 7327..7500, 7327..7503, 7327..7503, 7327..7503, 7327..7503, 7564..7614		

Seq. No.	33924	Seq. ID	OJ000251_14.0225.C9
Gene No.	70244	Strand	-
Start	11245	End	11364
Name	OJ000251_14.0225.C9.o1.tw	Method	TBLASTX:Wheat
Start	6385	End	7479
GI	none	Score	96
Exons	6385..6522, 6595..6729, 6607..6813, 6697..6831, 6745..6957, 6826..7029, 6829..6975, 6967..7119, 7039..7191, 7327..7479, 7327..7434		

Seq. No.	33924	Seq. ID	OJ000251_14.0225.C9
Gene No.	70244	Strand	-
Start	11245	End	11364
Name	OJ000251_14.0225.C9.o3.gs	Method	GENSCAN
Start	11245	End	11364
GI	none	Score	.41
Exons	11245..11364		

Seq. No.	33925	Seq. ID	OJ000251_14.0225.C10
Gene No.	70245	Strand	+
Start	625	End	2778
Name	OJ000251_14.0225.C10.o1.gs	Method	GENSCAN
Start	625	End	2778
GI	none	Score	.7
Exons	625..738, 831..922, 967..1281, 2682..2778		

Seq. No.	33925	Seq. ID	OJ000251_14.0225.C10
Gene No.	70246	Strand	-
Start	1979	End	2747
Name	OJ000251_14.0225.C10.o1.np	Method	AAT/NAP
Start	1979	End	2747
GI	4680183	Score	202
Exons	1979..2068, 2677..2747		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	33925	Seq. ID	OJ000251_14.0225.C10
Gene No.	70247	Strand	-
Start	5016	End	5538

Name	OJ000251_14.0225.C10.o2.np	Method	AAT/NAP
Start	5016	End	5538
GI	5882292	Score	92
Exons	5016..5336, 5451..5538		
GI Descrip.	(AF182445) sucrose transporter [Vitis vinifera]		

Seq. No.	33926	Seq. ID	OJ000251_14.0225.C11
Gene No.	70248	Strand	+
Start	1	End	1421
Name	OJ000251_14.0225.C11.o1.np	Method	AAT/NAP
Start	1	End	1338
GI	6706420	Score	743
Exons	1..369, 1178..1338		
GI Descrip.	(AL133248) 40S ribosomal protein S2 homolog [Arabidopsis thaliana]		

Seq. No.	33926	Seq. ID	OJ000251_14.0225.C11
Gene No.	70248	Strand	+
Start	1	End	1421
Name	OJ000251_14.0225.C11.o1.tc	Method	TBLASTX:Cress
Start	1	End	1285
GI	none	Score	613
Exons	1..375, 81..368, 1175..1285, 1177..1281		

Seq. No.	33926	Seq. ID	OJ000251_14.0225.C11
Gene No.	70248	Strand	+
Start	1	End	1421
Name	OJ000251_14.0225.C11.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1336
GI	none	Score	606
Exons	1..375, 3..368, 1172..1291, 1175..1336, 1177..1332		

Seq. No.	33926	Seq. ID	OJ000251_14.0225.C11
Gene No.	70248	Strand	+
Start	1	End	1421
Name	OJ000251_14.0225.C11.o1.tm	Method	TBLASTX:Maize
Start	1	End	1357
GI	none	Score	620
Exons	1..375, 3..368, 108..377, 280..369, 1175..1291, 1175..1282, 1176..1283, 1177..1290, 1292..1357, 1294..1356		

Seq. No.	33926	Seq. ID	OJ000251_14.0225.C11
Gene No.	70248	Strand	+
Start	1	End	1421
Name	OJ000251_14.0225.C11.o1.tw	Method	TBLASTX:Wheat
Start	43	End	351
GI	none	Score	498
Exons	43..351, 81..350		

Seq. No.	33926	Seq. ID	OJ000251_14.0225.C11
Gene No.	70248	Strand	+
Start	1	End	1421
Name	OJ000251_14.0225.C11.o1.gs	Method	GENSCAN
Start	82	End	1336
GI	none	Score	.95
Exons	82..369, 1178..1336		

Seq. No.	33926	Seq. ID	OJ000251_14.0225.C11
Gene No.	70248	Strand	+
Start	1	End	1421
Name	OJ000251_14.0225.C11.o1.gp	Method	AAT/GAP
Start	251	End	1421
GI	LIB3433-036-P1-K1-B3	Score	636
Exons	251..369, 1178..1421		
GI Descrip.	'3915847/sp|P49688|RS2_ARATH 9.0e-17 40S RIBOSOMAL PROTEIN S2 >gi_2335095 (AC002339) putative 40S ribosomal protein S2 [Arabidopsis thaliana]'		

Seq. No.	33926	Seq. ID	OJ000251_14.0225.C11
Gene No.	70248	Strand	+
Start	1	End	1421
Name	OJ000251_14.0225.C11.o2.tw	Method	TBLASTX:Wheat
Start	1175	End	1336
GI	none	Score	185
Exons	1175..1291, 1175..1282, 1177..1305, 1177..1320, 1292..1336, 1292..1336		

Seq. No.	33926	Seq. ID	OJ000251_14.0225.C11
Gene No.	70249	Strand	
Start	3691	End	4170
Name	OJ000251_14.0225.C11.o4.tw	Method	TBLASTX:Wheat
Start	3691	End	3986
GI	none	Score	64
Exons	3691..3777, 3694..3756, 3753..3986, 3825..3908		

Seq. No.	33926	Seq. ID	OJ000251_14.0225.C11
Gene No.	70249	Strand	
Start	3691	End	4170
Name	OJ000251_14.0225.C11.o3.tm	Method	TBLASTX:Maize
Start	3715	End	4170
GI	none	Score	50
Exons	3715..3756, 3719..3754, 3753..3791, 3813..3980, 3817..3903, 3997..4170, 4053..4169		

Seq. No.	33926	Seq. ID	OJ000251_14.0225.C11
Gene No.	70250	Strand	
Start	4260	End	5326
Name	OJ000251_14.0225.C11.o2.ts	Method	TBLASTX:Soybean
Start	4260	End	4654
GI	none	Score	55
Exons	4260..4421, 4430..4573, 4500..4580, 4628..4654		

Seq. No.	33926	Seq. ID	OJ000251_14.0225.C11
Gene No.	70250	Strand	
Start	4260	End	5326
Name	OJ000251_14.0225.C11.o5.tw	Method	TBLASTX:Wheat
Start	4275	End	4567
GI	none	Score	54
Exons	4275..4427, 4285..4425, 4433..4567		

Seq. No.	33926	Seq. ID	OJ000251_14.0225.C11
Gene No.	70250	Strand	
Start	4260	End	5326
Name	OJ000251_14.0225.C11.o2.tm	Method	TBLASTX:Maize

Start	4433	End	5326
GI	none	Score	44
Exons	4433..4573, 4567..4749, 4718..5026, 4730..4762, 4764..4868, 4917..5006, 5018..5065, 5067..5153, 5094..5135, 5163..5303, 5165..5326		

Seq. No.	33926	Seq. ID	OJ000251_14.0225.C11
Gene No.	70250	Strand	
Start	4260	End	5326
Name	OJ000251_14.0225.C11.o3.tw	Method	TBLASTX:Wheat
Start	5019	End	5278
GI	none	Score	81
Exons	5019..5162, 5028..5165, 5165..5260, 5165..5278		

Seq. No.	33927	Seq. ID	OJ000251_14.0225.C12
Gene No.	70251	Strand	-
Start	1481	End	2104
Name	OJ000251_14.0225.C12.o1.gs	Method	GENSCAN
Start	1481	End	2104
GI	none	Score	.81
Exons	1481..1696, 1961..2104		

Seq. No.	33928	Seq. ID	OJ000251_14.0225.C13
Gene No.	70252	Strand	+
Start	7062	End	9018
Name	OJ000251_14.0225.C13.o4.gs	Method	GENSCAN
Start	7062	End	9018
GI	none	Score	.53
Exons	7062..7155, 7366..7601, 8851..9018		

Seq. No.	33928	Seq. ID	OJ000251_14.0225.C13
Gene No.	70253	Strand	+
Start	10392	End	16234
Name	OJ000251_14.0225.C13.o5.gs	Method	GENSCAN
Start	10392	End	16234
GI	none	Score	.71
Exons	10392..10545, 11320..11444, 11900..11930, 12614..13087, 13683..14020, 14705..14863, 15128..15240, 16037..16234		

Seq. No.	33928	Seq. ID	OJ000251_14.0225.C13
Gene No.	70253	Strand	+
Start	10392	End	16234
Name	OJ000251_14.0225.C13.o2.np	Method	AAT/NAP
Start	12896	End	14875
GI	6841354	Score	527
Exons	12896..13087, 13683..14020, 14705..14875		
GI Descrip.	(AF161543) HSPC058 [Homo sapiens]		

Seq. No.	33928	Seq. ID	OJ000251_14.0225.C13
Gene No.	70254	Strand	-
Start	2499	End	4322
Name	OJ000251_14.0225.C13.o2.gs	Method	GENSCAN
Start	2499	End	4322
GI	none	Score	.61
Exons	2499..2570, 4149..4322		

Seq. No.	33928	Seq. ID	OJ000251_14.0225.C13

Gene No.	70255	Strand	-
Start	4315	End	16338
Name	OJ000251_14.0225.C13.o1.np	Method	AAT/NAP
Start	4315	End	6298
GI	548488	Score	876
Exons	4315..4351, 4686..4900, 4990..5505, 5606..5626, 5729..5899, 5985..6116, 6201..6298		
GI Descrip.	POLYGALACTURONASE PRECURSOR (PG) (PECTINASE) gi|166325 (L12019) polygalacturonase [Actinidia deliciosa]		

Seq. No.	33928	Seq. ID	OJ000251_14.0225.C13
Gene No.	70255	Strand	-
Start	4315	End	16338
Name	OJ000251_14.0225.C13.o3.gs	Method	GENSCAN
Start	4682	End	6410
GI	none	Score	.82
Exons	4682..4900, 4990..5505, 5729..5899, 5985..6116, 6201..6410		

Seq. No.	33928	Seq. ID	OJ000251_14.0225.C13
Gene No.	70255	Strand	-
Start	4315	End	16338
Name	OJ000251_14.0225.C13.o2.tm	Method	TBLASTX:Maize
Start	4697	End	16338
GI	none	Score	88
Exons	4697..4921, 4698..4898, 5017..5091, 5107..5484, 5201..5239, 5267..5461, 5750..5842, 9506..9661, 9657..9710, 16096..16329, 16113..16328, 16228..16338		

Seq. No.	33928	Seq. ID	OJ000251_14.0225.C13
Gene No.	70255	Strand	-
Start	4315	End	16338
Name	OJ000251_14.0225.C13.o1.tc	Method	TBLASTX:Cress
Start	4703	End	16328
GI	none	Score	68
Exons	4703..4897, 4758..4898, 5017..5097, 5104..5502, 5201..5482, 16113..16328		

Seq. No.	33928	Seq. ID	OJ000251_14.0225.C13
Gene No.	70255	Strand	-
Start	4315	End	16338
Name	OJ000251_14.0225.C13.o1.ts	Method	TBLASTX:Soybean
Start	4769	End	16334
GI	none	Score	80
Exons	4769..4843, 4850..4903, 4975..5505, 4993..5130, 5015..5131, 5201..5299, 5741..5836, 5840..5905, 6009..6071, 16200..16274, 16269..16334		

Seq. No.	33928	Seq. ID	OJ000251_14.0225.C13
Gene No.	70255	Strand	-
Start	4315	End	16338
Name	OJ000251_14.0225.C13.o1.tm	Method	TBLASTX:Maize
Start	12648	End	13777
GI	none	Score	496
Exons	12648..12698, 12655..13086, 12759..13085, 12761..13087, 13677..13772, 13682..13777, 13685..13777		

Seq. No.	33928	Seq. ID	OJ000251_14.0225.C13

Gene No.	70255	Strand	-
Start	4315	End	16338
Name	OJ000251_14.0225.C13.o1.tw	Method	TBLASTX:Wheat
Start	12785	End	13744
GI	none	Score	111
Exons	12785..12937, 12786..12917, 12787..12951, 12921..13085, 12922..13086, 12966..13085, 13540..13569, 13678..13743, 13682..13744		

Seq. No.	33928	Seq. ID	OJ000251_14.0225.C13
Gene No.	70255	Strand	-
Start	4315	End	16338
Name	OJ000251_14.0225.C13.o2.tc	Method	TBLASTX:Cress
Start	13759	End	14866
GI	none	Score	396
Exons	13759..14025, 13760..14020, 13770..14033, 14701..14730, 14702..14866, 14702..14851, 14803..14862		

Seq. No.	33928	Seq. ID	OJ000251_14.0225.C13
Gene No.	70255	Strand	-
Start	4315	End	16338
Name	OJ000251_14.0225.C13.o3.tm	Method	TBLASTX:Maize
Start	13778	End	15066
GI	none	Score	394
Exons	13778..14017, 13778..14014, 13780..14019, 14701..14907, 14702..14908, 14705..14908, 14940..15059, 14941..15066		

Seq. No.	33928	Seq. ID	OJ000251_14.0225.C13
Gene No.	70255	Strand	-
Start	4315	End	16338
Name	OJ000251_14.0225.C13.o2.ts	Method	TBLASTX:Soybean
Start	13922	End	14878
GI	none	Score	151
Exons	13922..14020, 13924..14025, 14700..14864, 14702..14878, 14702..14860, 14803..14874		

Seq. No.	33929	Seq. ID	OJ000251_14.0225.C15
Gene No.	70256	Strand	+
Start	322	End	369
Name	OJ000251_14.0225.C15.o1.gs	Method	GENSCAN
Start	322	End	369
GI	none	Score	.67
Exons	322..369		

Seq. No.	33930	Seq. ID	OJ000251_14.0225.C17
Gene No.	70257	Strand	-
Start	1	End	585
Name	OJ000251_14.0225.C17.o1.np	Method	AAT/NAP
Start	1	End	585
GI	5803260	Score	260
Exons	1..585		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	33930	Seq. ID	OJ000251_14.0225.C17
Gene No.	70257	Strand	-
Start	1	End	585
Name	OJ000251_14.0225.C17.o1.tc	Method	TBLASTX:Cress

Start	3	End	431
GI	none	Score	90
Exons	3..272, 333..431		

Seq. No.	33930	Seq. ID	OJ000251_14.0225.C17
Gene No.	70257	Strand	-
Start	1	End	585
Name	OJ000251_14.0225.C17.o1.ts	Method	TBLASTX:Soybean
Start	3	End	377
GI	none	Score	65
Exons	3..269, 333..377		

Seq. No.	33930	Seq. ID	OJ000251_14.0225.C17
Gene No.	70257	Strand	-
Start	1	End	585
Name	OJ000251_14.0225.C17.o1.tm	Method	TBLASTX:Maize
Start	3	End	419
GI	none	Score	36
Exons	3..23, 14..103, 39..113, 39..122, 120..296, 121..270, 123..296, 321..419, 325..369		

Seq. No.	33930	Seq. ID	OJ000251_14.0225.C17
Gene No.	70257	Strand	-
Start	1	End	585
Name	OJ000251_14.0225.C17.o1.gs	Method	GENSCAN
Start	14	End	538
GI	none	Score	.67
Exons	14..538		

Seq. No.	33930	Seq. ID	OJ000251_14.0225.C17
Gene No.	70257	Strand	-
Start	1	End	585
Name	OJ000251_14.0225.C17.o1.gp	Method	AAT/GAP
Start	87	End	435
GI	568479	Score	649
Exons	87..435		
GI Descrip.	5803260/dbj|BAA83570.1| 3.0e-19 (AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	33931	Seq. ID	OJ000251_08.0218.C2
Gene No.	70258	Strand	+
Start	181	End	240
Name	OJ000251_08.0218.C2.o1.gs	Method	GENSCAN
Start	181	End	240
GI	none	Score	.73
Exons	181..240		

Seq. No.	33932	Seq. ID	OJ000251_08.0218.C3
Gene No.	70259	Strand	+
Start	1	End	259
Name	OJ000251_08.0218.C3.o1.gp	Method	AAT/GAP
Start	1	End	232
GI	LIB3433-030-P1-K1-G9	Score	118
Exons	1..21, 185..232		
GI Descrip.	'4512651/gb|AAD21706.1| 1.0e-39 (AC007048) putative tyrosine transaminase [Arabidopsis thaliana]'		

Seq. No.	33932	Seq. ID	OJ000251_08.0218.C3
Gene No.	70259	Strand	+
Start	1	End	259
Name	OJ000251_08.0218.C3.o1.np	Method	AAT/NAP
Start	1	End	259
GI	6498122	Score	65
Exons	1..259		
GI Descrip.	(D88273) nicotianamine aminotransferase A [Hordeum vulgare]		

Seq. No.	33933	Seq. ID	OJ000251_08.0218.C4
Gene No.	70260	Strand	-
Start	102	End	352
Name	OJ000251_08.0218.C4.o1.gs	Method	GENSCAN
Start	102	End	352
GI	none	Score	.8
Exons	102..352		

Seq. No.	33934	Seq. ID	OJ000251_08.0218.C5
Gene No.	70261	Strand	-
Start	1	End	409
Name	OJ000251_08.0218.C5.o1.np	Method	AAT/NAP
Start	1	End	409
GI	6526975	Score	140
Exons	1..171, 275..409		
GI Descrip.	(AB028468) kinesin-like protein [Arabidopsis thaliana] gi|6526979|dbj|BAA88114.1| (AB028470) kinesin-like protein [Arabidopsis thaliana]		

Seq. No.	33934	Seq. ID	OJ000251_08.0218.C5
Gene No.	70261	Strand	-
Start	1	End	409
Name	OJ000251_08.0218.C5.o1.gs	Method	GENSCAN
Start	275	End	356
GI	none	Score	.9
Exons	275..356		

Seq. No.	33935	Seq. ID	OJ000251_08.0218.C7
Gene No.	70262	Strand	-
Start	153	End	278
Name	OJ000251_08.0218.C7.o1.np	Method	AAT/NAP
Start	153	End	278
GI	5852093	Score	77
Exons	153..278		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	33936	Seq. ID	OJ000251_08.0218.C9
Gene No.	70263	Strand	+
Start	91	End	465
Name	OJ000251_08.0218.C9.o1.gs	Method	GENSCAN
Start	91	End	465
GI	none	Score	.9
Exons	91..214, 357..465		

Seq. No.	33937	Seq. ID	OJ000251_08.0218.C10
Gene No.	70264	Strand	-
Start	1	End	651
Name	OJ000251_08.0218.C10.o1.np	Method	AAT/NAP

Start	1	End	651
GI	5103193	Score	1056
Exons	1..651		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi|5738084|gb|AAD50242.1|AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		

Seq. No.	33938	Seq. ID	OJ000251_08.0218.C11
Gene No.	70265	Strand	-
Start	463	End	925
Name	OJ000251_08.0218.C11.o1.gs	Method	GENSCAN
Start	463	End	925
GI	none	Score	.84
Exons	463..549, 592..759, 761..925		

Seq. No.	33939	Seq. ID	OJ000251_08.0218.C13
Gene No.	70266	Strand	-
Start	24	End	145
Name	OJ000251_08.0218.C13.o1.gs	Method	GENSCAN
Start	24	End	145
GI	none	Score	.87
Exons	24..145		

Seq. No.	33940	Seq. ID	OJ000251_08.0218.C15
Gene No.	70267	Strand	+
Start	564	End	678
Name	OJ000251_08.0218.C15.o1.gs	Method	GENSCAN
Start	564	End	678
GI	none	Score	.88
Exons	564..678		

Seq. No.	33941	Seq. ID	OJ000251_08.0218.C16
Gene No.	70268	Strand	+
Start	371	End	654
Name	OJ000251_08.0218.C16.o1.gs	Method	GENSCAN
Start	371	End	603
GI	none	Score	.54
Exons	371..603		

Seq. No.	33941	Seq. ID	OJ000251_08.0218.C16
Gene No.	70268	Strand	+
Start	371	End	654
Name	OJ000251_08.0218.C16.o1.np	Method	AAT/NAP
Start	393	End	654
GI	4512651	Score	213
Exons	393..654		
GI Descrip.	(AC007048) putative tyrosine aminotransferase [Arabidopsis thaliana]		

Seq. No.	33941	Seq. ID	OJ000251_08.0218.C16
Gene No.	70268	Strand	+
Start	371	End	654
Name	OJ000251_08.0218.C16.o1.tm	Method	TBLASTX:Maize
Start	407	End	628
GI	none	Score	236
Exons	407..625, 415..627, 431..628		

Seq. No.	33941	Seq. ID	OJ000251_08.0218.C16
Gene No.	70268	Strand	+
Start	371	End	654
Name	OJ000251_08.0218.C16.o1.ts	Method	TBLASTX:Soybean
Start	410	End	654
GI	none	Score	286
Exons	410..649, 412..654		

Seq. No.	33942	Seq. ID	OJ000251_08.0218.C24
Gene No.	70269	Strand	+
Start	1	End	360
Name	OJ000251_08.0218.C24.o1.np	Method	AAT/NAP
Start	1	End	360
GI	5091513	Score	541
Exons	1..360		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	33942	Seq. ID	OJ000251_08.0218.C24
Gene No.	70269	Strand	+
Start	1	End	360
Name	OJ000251_08.0218.C24.o1.gs	Method	GENSCAN
Start	78	End	315
GI	none	Score	.9
Exons	78..315		

Seq. No.	33943	Seq. ID	OJ000251_08.0218.C25
Gene No.	70270	Strand	+
Start	1	End	622
Name	OJ000251_08.0218.C25.o1.np	Method	AAT/NAP
Start	1	End	622
GI	5091513	Score	337
Exons	1..67, 315..622		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	33943	Seq. ID	OJ000251_08.0218.C25
Gene No.	70270	Strand	+
Start	1	End	622
Name	OJ000251_08.0218.C25.o1.gs	Method	GENSCAN
Start	265	End	532
GI	none	Score	.93
Exons	265..532		

Seq. No.	33944	Seq. ID	OJ000251_08.0218.C26
Gene No.	70271	Strand	-
Start	1	End	683
Name	OJ000251_08.0218.C26.o2.np	Method	AAT/NAP
Start	1	End	683
GI	4454029	Score	71
Exons	1..119, 521..683		
GI Descrip.	(AL035394) tyrosine transaminase like protein [Arabidopsis thaliana]		

Seq. No.	33944	Seq. ID	OJ000251_08.0218.C26
Gene No.	70271	Strand	-
Start	1	End	683
Name	OJ000251_08.0218.C26.o1.np	Method	AAT/NAP
Start	519	End	683

GI	6498122	Score	66
Exons	519..683		
GI Descrip.	(D88273) nicotianamine aminotransferase A [Hordeum vulgare]		

Seq. No.	33945	Seq. ID	OJ000251_08.0218.C27
Gene No.	70272	Strand	-
Start	201	End	342
Name	OJ000251_08.0218.C27.o1.gs	Method	GENSCAN
Start	201	End	342
GI	none	Score	.89
Exons	201..342		

Seq. No.	33946	Seq. ID	OJ000251_08.0218.C28
Gene No.	70273	Strand	-
Start	39	End	162
Name	OJ000251_08.0218.C28.o1.gs	Method	GENSCAN
Start	39	End	162
GI	none	Score	.45
Exons	39..162		

Seq. No.	33947	Seq. ID	OJ000251_08.0218.C29
Gene No.	70274	Strand	+
Start	169	End	2674
Name	OJ000251_08.0218.C29.o1.gs	Method	GENSCAN
Start	169	End	2674
GI	none	Score	.84
Exons	169..415, 608..727, 1267..1343, 2665..2674		

Seq. No.	33947	Seq. ID	OJ000251_08.0218.C29
Gene No.	70275	Strand	-
Start	3209	End	15806
Name	OJ000251_08.0218.C29.o2.gs	Method	GENSCAN
Start	3209	End	15806
GI	none	Score	.77
Exons	3209..3317, 3735..4306, 4759..5147, 5292..5474, 5769..5812, 7302..7615, 9536..9675, 9796..9851, 10130..10171, 10173..10218, 10890..10969, 11012..11180, 11311..11327, 11756..11946, 12087..12179, 12460..12538, 14028..14163, 14669..14797, 15719..15806		

Seq. No.	33947	Seq. ID	OJ000251_08.0218.C29
Gene No.	70275	Strand	-
Start	3209	End	15806
Name	OJ000251_08.0218.C29.o1.np	Method	AAT/NAP
Start	3579	End	8042
GI	4903006	Score	1614
Exons	3579..3630, 3735..4306, 4759..5141, 5292..5605, 7302..7585, 7862..8042		
GI Descrip.	(AB027458) ACE [Arabidopsis thaliana] gi|5903086|gb|AAD55644.1|AC008017_17 (AC008017) ACE [Arabidopsis thaliana]		

Seq. No.	33947	Seq. ID	OJ000251_08.0218.C29
Gene No.	70275	Strand	-
Start	3209	End	15806
Name	OJ000251_08.0218.C29.o1.gp	Method	AAT/GAP
Start	3736	End	4191

GI	65707_1.R1084	Score	859
Exons	3736..4191		
GI Descrip.	'4903006/dbj|BAA77837.1| 2.0e-33 (AB027458) ACE [Arabidopsis thaliana] >gi_5903086_gb_AAD55644.1_AC008017_17 (AC008017) ACE [Arabidopsis thaliana]'		

Seq. No.	33947	Seq. ID	OJ000251_08.0218.C29
Gene No.	70275	Strand	-
Start	3209	End	15806
Name	OJ000251_08.0218.C29.o2.gp	Method	AAT/GAP
Start	4195	End	5090
GI	27472_1.R1084	Score	763
Exons	4195..4306, 4759..5090		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	33947	Seq. ID	OJ000251_08.0218.C29
Gene No.	70276	Strand	-
Start	17000	End	17587
Name	OJ000251_08.0218.C29.o6.tm	Method	TBLASTX:Maize
Start	160	End	743
GI	none	Score	80
Exons	160..225, 161..226, 164..238, 379..417, 386..427, 389..427,	336..371, 337..372, 338..373, 602..742, 605..742, 636..743	

Seq. No.	33947	Seq. ID	OJ000251_08.0218.C29
Gene No.	70276	Strand	-
Start	17000	End	17587
Name	OJ000251_08.0218.C29.o1.tc	Method	TBLASTX:Cress
Start	3576	End	5047
GI	none	Score	57
Exons	3576..3632, 3580..3633, 3728..3763, 3729..3764, 3761..3787, 3852..3908, 3854..3907, 3911..4006, 3921..4007, 4028..4294, 4074..4220, 4726..4782, 4765..4812, 4810..4869, 4811..4855, 4838..5047, 4852..5046		

Seq. No.	33947	Seq. ID	OJ000251_08.0218.C29
Gene No.	70276	Strand	-
Start	17000	End	17587
Name	OJ000251_08.0218.C29.o1.ts	Method	TBLASTX:Soybean
Start	3576	End	4240
GI	none	Score	48
Exons	3576..3632, 3583..3633, 3728..3991, 3729..3992, 4037..4240, 4065..4226		

Seq. No.	33947	Seq. ID	OJ000251_08.0218.C29
Gene No.	70276	Strand	-
Start	17000	End	17587
Name	OJ000251_08.0218.C29.o2.tm	Method	TBLASTX:Maize
Start	3728	End	4057
GI	none	Score	383
Exons	3728..4057, 3728..4057		

Seq. No.	33947	Seq. ID	OJ000251_08.0218.C29
Gene No.	70276	Strand	-
Start	17000	End	17587

Name	OJ000251_08.0218.C29.o1.tm	Method	TBLASTX:Maize
Start	4139	End	5158
GI	none	Score	85
Exons	4139..4207, 4140..4208, 4184..4321, 4212..4307, 4213..4308, 4733..5149, 4756..5157, 4760..5158		

Seq. No.	33947	Seq. ID	OJ000251_08.0218.C29
Gene No.	70276	Strand	-
Start	17000	End	17587
Name	OJ000251_08.0218.C29.o2.ts	Method	TBLASTX:Soybean
Start	4247	End	7406
GI	none	Score	63
Exons	4247..4321, 4271..4309, 4726..5160, 4760..5167, 5287..5604, 5309..5608, 7299..7403, 7301..7405, 7311..7406		

Seq. No.	33947	Seq. ID	OJ000251_08.0218.C29
Gene No.	70276	Strand	-
Start	17000	End	17587
Name	OJ000251_08.0218.C29.o3.tm	Method	TBLASTX:Maize
Start	5290	End	7633
GI	none	Score	325
Exons	5290..5607, 5291..5620, 7310..7441, 7311..7445, 7520..7585, 7521..7586, 7583..7633		

Seq. No.	33947	Seq. ID	OJ000251_08.0218.C29
Gene No.	70276	Strand	-
Start	17000	End	17587
Name	OJ000251_08.0218.C29.o2.tc	Method	TBLASTX:Cress
Start	5296	End	5601
GI	none	Score	162
Exons	5296..5601, 5312..5590		

Seq. No.	33947	Seq. ID	OJ000251_08.0218.C29
Gene No.	70276	Strand	-
Start	17000	End	17587
Name	OJ000251_08.0218.C29.o3.tc	Method	TBLASTX:Cress
Start	7290	End	7579
GI	none	Score	171
Exons	7290..7577, 7301..7579		

Seq. No.	33947	Seq. ID	OJ000251_08.0218.C29
Gene No.	70276	Strand	-
Start	17000	End	17587
Name	OJ000251_08.0218.C29.o3.ts	Method	TBLASTX:Soybean
Start	7424	End	7580
GI	none	Score	117
Exons	7424..7579, 7458..7580		

Seq. No.	33947	Seq. ID	OJ000251_08.0218.C29
Gene No.	70276	Strand	-
Start	17000	End	17587
Name	OJ000251_08.0218.C29.o3.gs	Method	GENSCAN
Start	17000	End	17587
GI	none	Score	.51
Exons	17000..17587		

Seq. No.	33947	Seq. ID	OJ000251_08.0218.C29

Gene No.	70276	Strand	-
Start	17000	End	17587
Name	OJ000251_08.0218.C29.o4.tm	Method	TBLASTX:Maize
Start	17159	End	17580
GI	none	Score	86
Exons	17159..17218, 17166..17219, 17169..17222, 17305..17364, 17306..17365, 17399..17539, 17401..17559, 17402..17560, 17404..17562, 17542..17580		

Seq. No.	33947	Seq. ID	OJ000251_08.0218.C29
Gene No.	70277	Strand	
Start	18118	End	19073
Name	OJ000251_08.0218.C29.o5.tm	Method	TBLASTX:Maize
Start	18118	End	19073
GI	none	Score	155
Exons	18118..18225, 18119..18232, 18926..19045, 18927..19073, 18927..19049, 18928..19050		

Seq. No.	33948	Seq. ID	OJ000251_08.0218.C30
Gene No.	70278	Strand	+
Start	981	End	3086
Name	OJ000251_08.0218.C30.o1.gs	Method	GENSCAN
Start	981	End	3086
GI	none	Score	.66
Exons	981..1399, 1681..1981, 2119..2215, 2702..2847, 2958..3086		

Seq. No.	33948	Seq. ID	OJ000251_08.0218.C30
Gene No.	70279	Strand	+
Start	4263	End	7285
Name	OJ000251_08.0218.C30.o2.gs	Method	GENSCAN
Start	4263	End	7285
GI	none	Score	.84
Exons	4263..4447, 5416..5996, 6123..7285		

Seq. No.	33948	Seq. ID	OJ000251_08.0218.C30
Gene No.	70280	Strand	+
Start	8289	End	10777
Name	OJ000251_08.0218.C30.o3.gs	Method	GENSCAN
Start	8289	End	10777
GI	none	Score	.64
Exons	8289..8493, 9995..10158, 10337..10777		

Seq. No.	33948	Seq. ID	OJ000251_08.0218.C30
Gene No.	70280	Strand	+
Start	8289	End	10777
Name	OJ000251_08.0218.C30.o2.np	Method	AAT/NAP
Start	9718	End	9964
GI	82538	Score	419
Exons	9718..9964		
GI Descrip.	hypothetical 9K protein (rps19-rpl2 intergenic region) - rice chloroplast gi|12028|emb|CAA33936| (X15901) ORF82 [Oryza sativa] gi|12074|emb|CAA33926| (X15901) ORF82 [Oryza sativa] gi|226650|prf||1603356CA ORF 82 [Oryza sativa]		

Seq. No.	33948	Seq. ID	OJ000251_08.0218.C30
Gene No.	70280	Strand	+
Start	8289	End	10777

Name	OJ000251_08.0218.C30.o3.np	Method	AAT/NAP
Start	9964	End	10242
GI	1213601	Score	478
Exons	9964..10242		
GI Descrip.	(X15901) ribosomal protein S19 [Oryza sativa] gi|226648|prf||1603356BY ribosomal protein S19 [Oryza sativa]		

Seq. No.	33948	Seq. ID	OJ000251_08.0218.C30
Gene No.	70280	Strand	+
Start	8289	End	10777
Name	OJ000251_08.0218.C30.o4.np	Method	AAT/NAP
Start	10313	End	10757
GI	132790	Score	695
Exons	10313..10757		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L22 gi|71290|pir||R5RZ22 ribosomal protein L22 - rice chloroplast gi|12026|emb|CAA33935| (X15901) ribosomal protein L22 [Oryza sativa] gi|226647|prf||1603356BX ribosomal protein L22 [Oryza sativa]		

Seq. No.	33948	Seq. ID	OJ000251_08.0218.C30
Gene No.	70281	Strand	+
Start	10814	End	11530
Name	OJ000251_08.0218.C30.o5.np	Method	AAT/NAP
Start	10814	End	11530
GI	133936	Score	1165
Exons	10814..11530		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 gi|70867|pir||R3RZ3 ribosomal protein S3 - rice chloroplast gi|12025|emb|CAA33934| (X15901) ribosomal protein S3 [Oryza sativa] gi|226646|prf||1603356BW ribosomal protein S3 [Oryza sativa]		

Seq. No.	33948	Seq. ID	OJ000251_08.0218.C30
Gene No.	70282	Strand	-
Start	9186	End	9596
Name	OJ000251_08.0218.C30.o1.np	Method	AAT/NAP
Start	9186	End	9596
GI	6176571	Score	700
Exons	9186..9596		
GI Descrip.	HYPOTHETICAL 14.9 KD PROTEIN YCF72 (ORF137) gi|82519|pir||JQ0269 hypothetical 15K protein (trnH-trnV intergenic region) - rice chloroplast gi|12029|emb|CAA33937| (X15901) ORF137 [Oryza sativa] gi|12073|emb|CAA33925| (X15901) ORF137 [Oryza sativa] gi|226651|prf||1603356CB ORF 137 [Oryza sativa]		

Seq. No.	33948	Seq. ID	OJ000251_08.0218.C30
Gene No.	70283	Strand	-
Start	9863	End	11331
Name	OJ000251_08.0218.C30.o1.gp	Method	AAT/GAP
Start	9863	End	11331
GI	3073_1.R1084	Score	2831
Exons	9863..11331		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	33948	Seq. ID	OJ000251_08.0218.C30
Gene No.	70284	Strand	-
Start	11347	End	11658
Name	OJ000251_08.0218.C30.o3.tm	Method	TBLASTX:Maize
Start	978	End	1391
GI	none	Score	606
Exons	978..1391, 978..1388, 1135..1389		

Seq. No.	33948	Seq. ID	OJ000251_08.0218.C30
Gene No.	70284	Strand	-
Start	11347	End	11658
Name	OJ000251_08.0218.C30.o4.tm	Method	TBLASTX:Maize
Start	1679	End	2190
GI	none	Score	478
Exons	1679..1981, 1682..1981, 1687..1983, 2101..2190, 2115..2189		

Seq. No.	33948	Seq. ID	OJ000251_08.0218.C30
Gene No.	70284	Strand	-
Start	11347	End	11658
Name	OJ000251_08.0218.C30.o4.ts	Method	TBLASTX:Soybean
Start	1784	End	2187
GI	none	Score	194
Exons	1784..1981, 1787..1981, 2116..2187		

Seq. No.	33948	Seq. ID	OJ000251_08.0218.C30
Gene No.	70284	Strand	-
Start	11347	End	11658
Name	OJ000251_08.0218.C30.o3.ts	Method	TBLASTX:Soybean
Start	6400	End	6703
GI	none	Score	200
Exons	6400..6531, 6407..6703		

Seq. No.	33948	Seq. ID	OJ000251_08.0218.C30
Gene No.	70284	Strand	-
Start	11347	End	11658
Name	OJ000251_08.0218.C30.o5.tm	Method	TBLASTX:Maize
Start	6412	End	6634
GI	none	Score	197
Exons	6412..6633, 6413..6634		

Seq. No.	33948	Seq. ID	OJ000251_08.0218.C30
Gene No.	70284	Strand	-
Start	11347	End	11658
Name	OJ000251_08.0218.C30.o4.tc	Method	TBLASTX:Cress
Start	6413	End	6730
GI	none	Score	214
Exons	6413..6730, 6415..6633		

Seq. No.	33948	Seq. ID	OJ000251_08.0218.C30
Gene No.	70284	Strand	-
Start	11347	End	11658
Name	OJ000251_08.0218.C30.o2.tm	Method	TBLASTX:Maize
Start	8934	End	9678
GI	none	Score	1094
Exons	8934..9677, 8937..9611, 9253..9678		

Seq. No.	33948	Seq. ID	OJ000251_08.0218.C30

Gene No.	70284	Strand	-
Start	11347	End	11658
Name	OJ000251_08.0218.C30.o1.ts	Method	TBLASTX:Soybean
Start	8937	End	11618
GI	none	Score	252
Exons	8937..9113, 8938..9114, 8939..9193, 9116..9157, 9117..9158, 9119..9265, 9152..9250, 9245..9412, 9245..9334, 9246..9434, 9253..9411, 9367..9612, 9396..9665, 9402..9611, 9406..9639, 9552..9695, 9580..9696, 9604..9696, 9939..9971, 9940..9972, 9945..9983, 9975..10199, 9975..10199, 9976..10209, 10061..10213, 10793..10819, 10809..10904, 10813..10920, 10814..10963, 10814..10963, 11064..11123, 11068..11133, 11137..11352, 11148..11330, 11206..11349, 11234..11368, 11312..11518, 11344..11517, 11351..11518, 11391..11618		

Seq. No.	33948	Seq. ID	OJ000251_08.0218.C30
Gene No.	70284	Strand	-
Start	11347	End	11658
Name	OJ000251_08.0218.C30.o1.tc	Method	TBLASTX:Cress
Start	9186	End	10074
GI	none	Score	338
Exons	9186..9503, 9266..9334, 9271..9510, 9271..9510, 9525..9611, 9526..9612, 9529..9711, 9531..9665, 9552..9695, 9602..9697, 9754..9783, 9754..9783, 9757..9834, 9777..9833, 9784..9834, 9785..9835, 9975..10073, 9976..10074, 9976..10071		

Seq. No.	33948	Seq. ID	OJ000251_08.0218.C30
Gene No.	70284	Strand	-
Start	11347	End	11658
Name	OJ000251_08.0218.C30.o2.tw	Method	TBLASTX:Wheat
Start	9218	End	9525
GI	none	Score	474
Exons	9218..9334, 9219..9524, 9220..9525, 9250..9525		

Seq. No.	33948	Seq. ID	OJ000251_08.0218.C30
Gene No.	70284	Strand	-
Start	11347	End	11658
Name	OJ000251_08.0218.C30.o1.tm	Method	TBLASTX:Maize
Start	9846	End	11604
GI	none	Score	156
Exons	9846..9977, 9847..9975, 9943..10269, 9945..10241, 9961..10248, 10264..10407, 10285..10350, 10286..10363, 10355..10666, 10355..10717, 10649..10708, 10703..10813, 10704..10790, 10791..10916, 10793..11023, 10793..11029, 10830..11030, 11030..11071, 11064..11336, 11064..11330, 11065..11358, 11182..11337, 11269..11427, 11311..11604, 11312..11596		

Seq. No.	33948	Seq. ID	OJ000251_08.0218.C30
Gene No.	70284	Strand	-
Start	11347	End	11658
Name	OJ000251_08.0218.C30.o1.tw	Method	TBLASTX:Wheat
Start	10357	End	11123
GI	none	Score	403
Exons	10357..10659, 10361..10666, 10364..10717, 10649..10711, 10695..10760, 10697..10753, 10768..11031, 10775..10810, 10791..10916, 10793..11032, 10793..11032, 11024..11071, 11028..11069, 11030..11089, 11030..11071, 11030..11071,		

11064..11123, 11065..11121

Seq. No.	33948	Seq. ID	OJ000251_08.0218.C30
Gene No.	70284	Strand	-
Start	11347	End	11658
Name	OJ000251_08.0218.C30.o2.ts	Method	TBLASTX:Soybean
Start	10412	End	10736
GI	none	Score	183
Exons	10412..10648, 10445..10636, 10450..10647, 10654..10707, 10658..10708, 10698..10736		

Seq. No.	33948	Seq. ID	OJ000251_08.0218.C30
Gene No.	70284	Strand	-
Start	11347	End	11658
Name	OJ000251_08.0218.C30.o2.tc	Method	TBLASTX:Cress
Start	10415	End	10928
GI	none	Score	215
Exons	10415..10648, 10451..10636, 10464..10640, 10513..10644, 10654..10704, 10658..10711, 10698..10736, 10698..10745, 10815..10913, 10816..10920, 10817..10927, 10830..10928		

Seq. No.	33948	Seq. ID	OJ000251_08.0218.C30
Gene No.	70284	Strand	-
Start	11347	End	11658
Name	OJ000251_08.0218.C30.o3.tc	Method	TBLASTX:Cress
Start	11170	End	11589
GI	none	Score	202
Exons	11170..11352, 11175..11330, 11203..11334, 11246..11368, 11278..11421, 11312..11533, 11333..11536, 11337..11573, 11391..11573, 11497..11589		

Seq. No.	33948	Seq. ID	OJ000251_08.0218.C30
Gene No.	70284	Strand	-
Start	11347	End	11658
Name	OJ000251_08.0218.C30.o2.gp	Method	AAT/GAP
Start	11347	End	11658
GI	2291_1.R1084	Score	530
Exons	11347..11658		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	33949	Seq. ID	OJ000251_08.0218.C31
Gene No.	70285	Strand	+
Start	1088	End	2038
Name	OJ000251_08.0218.C31.o1.np	Method	AAT/NAP
Start	1088	End	1495
GI	132712	Score	680
Exons	1088..1495		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L16 gi|71250|pir||R5RZ16 ribosomal protein L16 - rice chloroplast gi|669084|emb|CAA33933| (X15901) ribosomal protein L16 [Oryza sativa] gi|226645|prf||1603356BV ribosomal protein L16 [Oryza sativa]		

Seq. No.	33949	Seq. ID	OJ000251_08.0218.C31

Gene No.	70285	Strand	+
Start	1088	End	2038
Name	OJ000251_08.0218.C31.o1.gs	Method	GENSCAN
Start	1136	End	1980
GI	none	Score	.5
Exons	1136..1282, 1624..1980		

Seq. No.	33949	Seq. ID	OJ000251_08.0218.C31
Gene No.	70285	Strand	+
Start	1088	End	2038
Name	OJ000251_08.0218.C31.o2.gp	Method	AAT/GAP
Start	1484	End	2038
GI	481_1.R1084	Score	991
Exons	1484..2038		
GI Descrip.	'132672/sp|P12137|RK14_ORYSA 6.0e-57 CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 >gi_71224_pir__R5RZ14 ribosomal protein L14 - rice chloroplast >gi_12023_emb_CAA33932_ (X15901) ribosomal protein L14 [Oryza sativa] >gi_226644_prf__1603356BU ribosomal protein L14 [Oryza sativa]'		

Seq. No.	33949	Seq. ID	OJ000251_08.0218.C31
Gene No.	70285	Strand	+
Start	1088	End	2038
Name	OJ000251_08.0218.C31.o2.np	Method	AAT/NAP
Start	1609	End	1977
GI	132672	Score	599
Exons	1609..1977		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 gi|71224|pir||R5RZ14 ribosomal protein L14 - rice chloroplast gi|12023|emb|CAA33932| (X15901) ribosomal protein L14 [Oryza sativa] gi|226644|prf||1603356BU ribosomal protein L14 [Oryza sativa]		

Seq. No.	33949	Seq. ID	OJ000251_08.0218.C31
Gene No.	70286	Strand	+
Start	2171	End	2530
Name	OJ000251_08.0218.C31.o3.np	Method	AAT/NAP
Start	2120	End	2527
GI	134022	Score	673
Exons	2120..2527		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S8 gi|70914|pir||R3RZ8 ribosomal protein S8 - rice chloroplast gi|12022|emb|CAA33931| (X15901) ribosomal protein S8 [Oryza sativa] gi|226643|prf||1603356BT ribosomal protein S8 [Oryza sativa]		

Seq. No.	33949	Seq. ID	OJ000251_08.0218.C31
Gene No.	70286	Strand	+
Start	2171	End	2530
Name	OJ000251_08.0218.C31.o2.gs	Method	GENSCAN
Start	2171	End	2530
GI	none	Score	.89
Exons	2171..2530		

Seq. No.	33949	Seq. ID	OJ000251_08.0218.C31
Gene No.	70287	Strand	+
Start	7593	End	7691
Name	OJ000251_08.0218.C31.o4.gp	Method	AAT/GAP
Start	7593	End	7691

GI	none	Score	198
Exons	7593..7691		

Seq. No.	33949	Seq. ID	OJ000251_08.0218.C31
Gene No.	70288	Strand	-
Start	35	End	810
Name	OJ000251_08.0218.C31.o1.gp	Method	AAT/GAP
Start	35	End	810
GI	2291_1.R1084	Score	1418
Exons	35..810		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	33949	Seq. ID	OJ000251_08.0218.C31
Gene No.	70289	Strand	-
Start	2225	End	2664
Name	OJ000251_08.0218.C31.o3.tm	Method	TBLASTX:Maize
Start	39	End	448
GI	none	Score	67
Exons	39..119, 39..107, 117..278, 124..282, 125..184, 128..409, 139..267, 239..409, 367..414, 372..410, 373..414, 404..448, 407..439		

Seq. No.	33949	Seq. ID	OJ000251_08.0218.C31
Gene No.	70289	Strand	-
Start	2225	End	2664
Name	OJ000251_08.0218.C31.o2.tw	Method	TBLASTX:Wheat
Start	50	End	681
GI	none	Score	35
Exons	50..82, 51..83, 114..284, 124..267, 124..294, 128..361, 242..355, 363..416, 368..475, 373..468, 469..555, 470..556, 472..546, 523..681, 523..681		

Seq. No.	33949	Seq. ID	OJ000251_08.0218.C31
Gene No.	70289	Strand	-
Start	2225	End	2664
Name	OJ000251_08.0218.C31.o4.tm	Method	TBLASTX:Maize
Start	481	End	818
GI	none	Score	41
Exons	481..549, 500..709, 511..537, 555..707, 555..710, 556..708, 706..792, 708..818, 708..791		

Seq. No.	33949	Seq. ID	OJ000251_08.0218.C31
Gene No.	70289	Strand	-
Start	2225	End	2664
Name	OJ000251_08.0218.C31.o5.tw	Method	TBLASTX:Wheat
Start	756	End	1151
GI	none	Score	56
Exons	756..857, 757..792, 826..906, 833..895, 891..938, 937..960, 939..962, 946..1071, 976..1080, 981..1106, 981..1076, 1076..1150, 1077..1151		

Seq. No.	33949	Seq. ID	OJ000251_08.0218.C31
Gene No.	70289	Strand	-

Start	2225	End	2664
Name	OJ000251_08.0218.C31.o1.tc	Method	TBLASTX:Cress
Start	1086	End	1566
GI	none	Score	302
Exons	1086..1403, 1094..1414, 1100..1399, 1138..1413, 1394..1459, 1534..1566		

Seq. No.	33949	Seq. ID	OJ000251_08.0218.C31
Gene No.	70289	Strand	-
Start	2225	End	2664
Name	OJ000251_08.0218.C31.o1.ts	Method	TBLASTX:Soybean
Start	1086	End	2533
GI	none	Score	325
Exons	1086..1421, 1094..1483, 1097..1231, 1102..1497, 1135..1479, 1597..1668, 1601..1687, 1601..1687, 1617..1694, 1624..1695, 1677..1871, 1685..1714, 1689..1991, 1690..1980, 1977..2039, 2057..2092, 2083..2304, 2119..2310, 2120..2326, 2299..2526, 2317..2532, 2321..2533		

Seq. No.	33949	Seq. ID	OJ000251_08.0218.C31
Gene No.	70289	Strand	-
Start	2225	End	2664
Name	OJ000251_08.0218.C31.o2.tm	Method	TBLASTX:Maize
Start	1086	End	1839
GI	none	Score	450
Exons	1086..1421, 1094..1513, 1098..1502, 1099..1518, 1458..1529, 1505..1543, 1523..1714, 1524..1793, 1527..1571, 1528..1578, 1537..1794, 1538..1687, 1608..1793, 1624..1794, 1794..1838, 1794..1838, 1795..1839, 1795..1839		

Seq. No.	33949	Seq. ID	OJ000251_08.0218.C31
Gene No.	70289	Strand	-
Start	2225	End	2664
Name	OJ000251_08.0218.C31.o3.tw	Method	TBLASTX:Wheat
Start	1183	End	1575
GI	none	Score	517
Exons	1183..1494, 1184..1567, 1251..1532, 1517..1573, 1518..1571, 1523..1573, 1537..1575		

Seq. No.	33949	Seq. ID	OJ000251_08.0218.C31
Gene No.	70289	Strand	-
Start	2225	End	2664
Name	OJ000251_08.0218.C31.o3.tc	Method	TBLASTX:Cress
Start	1601	End	1987
GI	none	Score	84
Exons	1601..1687, 1603..1668, 1608..1688, 1617..1694, 1624..1695, 1677..1781, 1682..1714, 1689..1781, 1690..1782, 1782..1979, 1783..1986, 1787..1987		

Seq. No.	33949	Seq. ID	OJ000251_08.0218.C31
Gene No.	70289	Strand	-
Start	2225	End	2664
Name	OJ000251_08.0218.C31.o4.tw	Method	TBLASTX:Wheat
Start	1728	End	2092
GI	none	Score	398
Exons	1728..2006, 1729..1989, 1731..2006, 2015..2071, 2015..2083, 2017..2076, 2057..2092, 2057..2092		

Seq. No.	33949	Seq. ID	OJ000251_08.0218.C31
Gene No.	70289	Strand	-
Start	2225	End	2664
Name	OJ000251_08.0218.C31.o1.tm	Method	TBLASTX:Maize
Start	1880	End	2664
GI	none	Score	78
Exons	1880..1942, 1881..2039, 1882..2526, 1898..2530, 2014..2544, 2015..2536, 2463..2546, 2563..2616, 2565..2615, 2578..2619, 2630..2662, 2632..2664		

Seq. No.	33949	Seq. ID	OJ000251_08.0218.C31
Gene No.	70289	Strand	-
Start	2225	End	2664
Name	OJ000251_08.0218.C31.o2.tc	Method	TBLASTX:Cress
Start	2013	End	2533
GI	none	Score	36
Exons	2013..2051, 2054..2095, 2110..2304, 2111..2299, 2117..2326, 2118..2312, 2119..2313, 2321..2533, 2329..2532		

Seq. No.	33949	Seq. ID	OJ000251_08.0218.C31
Gene No.	70289	Strand	-
Start	2225	End	2664
Name	OJ000251_08.0218.C31.o1.tw	Method	TBLASTX:Wheat
Start	2171	End	2619
GI	none	Score	598
Exons	2171..2539, 2172..2441, 2173..2544, 2466..2546, 2493..2549, 2547..2567, 2565..2615, 2568..2615, 2569..2616, 2578..2619		

Seq. No.	33949	Seq. ID	OJ000251_08.0218.C31
Gene No.	70289	Strand	-
Start	2225	End	2664
Name	OJ000251_08.0218.C31.o3.gp	Method	AAT/GAP
Start	2225	End	2633
GI	uC-osf1cyp086h07a1	Score	766
Exons	2225..2633		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	33950	Seq. ID	OJ000251_08.0218.C32
Gene No.	70290	Strand	+
Start	1424	End	1876
Name	OJ000251_08.0218.C32.o1.gs	Method	GENSCAN
Start	1424	End	1876
GI	none	Score	.53
Exons	1424..1876		

Seq. No.	33951	Seq. ID	OJ000251_08.0218.C33
Gene No.	70291	Strand	+
Start	1	End	1751
Name	OJ000251_08.0218.C33.o1.np	Method	AAT/NAP
Start	1	End	1751
GI	4539440	Score	886
Exons	1..402, 1086..1253, 1350..1751		
GI Descrip.	(AL049523) putative protein [Arabidopsis thaliana]		

Seq. No.	33951	Seq. ID	OJ000251_08.0218.C33

Gene No.	70291	Strand	+
Start	1	End	1751
Name	OJ000251_08.0218.C33.o1.gs	Method	GENSCAN
Start	79	End	1739
GI	none	Score	.88
Exons	79..378, 1086..1253, 1350..1739		

Seq. No.	33951	Seq. ID	OJ000251_08.0218.C33
Gene No.	70292	Strand	+
Start	9170	End	9610
Name	OJ000251_08.0218.C33.o3.gs	Method	GENSCAN
Start	9170	End	9610
GI	none	Score	.47
Exons	9170..9331, 9486..9610		

Seq. No.	33951	Seq. ID	OJ000251_08.0218.C33
Gene No.	70293	Strand	-
Start	7586	End	9797
Name	OJ000251_08.0218.C33.o1.tm	Method	TBLASTX:Maize
Start	1091	End	1466
GI	none	Score	218
Exons	1091..1237, 1092..1247, 1095..1235, 1100..1237, 1344..1466, 1346..1465		

Seq. No.	33951	Seq. ID	OJ000251_08.0218.C33
Gene No.	70293	Strand	-
Start	7586	End	9797
Name	OJ000251_08.0218.C33.o1.tc	Method	TBLASTX:Cress
Start	1188	End	1613
GI	none	Score	64
Exons	1188..1253, 1196..1243, 1340..1600, 1344..1613		

Seq. No.	33951	Seq. ID	OJ000251_08.0218.C33
Gene No.	70293	Strand	-
Start	7586	End	9797
Name	OJ000251_08.0218.C33.o2.np	Method	AAT/NAP
Start	5907	End	9797
GI	5091513	Score	1432
Exons	5907..5945, 7750..8452, 9196..9797		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	33951	Seq. ID	OJ000251_08.0218.C33
Gene No.	70293	Strand	-
Start	7586	End	9797
Name	OJ000251_08.0218.C33.o2.gs	Method	GENSCAN
Start	7586	End	8443
GI	none	Score	.43
Exons	7586..7831, 7877..8443		

Seq. No.	33952	Seq. ID	OJ000251_08.0218.C34
Gene No.	70294	Strand	+
Start	1356	End	5970
Name	OJ000251_08.0218.C34.o2.gs	Method	GENSCAN
Start	1356	End	5970
GI	none	Score	.67
Exons	1356..1653, 1872..1966, 2787..2964, 4235..4313, 5757..5970		

Seq. No.	33952	Seq. ID	OJ000251_08.0218.C34
Gene No.	70295	Strand	+
Start	6806	End	8033
Name	OJ000251_08.0218.C34.o2.gp	Method	AAT/GAP
Start	6597	End	8033
GI	49971_1.R1084	Score	1596
Exons	6597..6959, 7557..8033		
GI Descrip.	'3080439/emb|CAA18756.1| 4.0e-23 (AL022605) putative protein [Arabidopsis thaliana]'		

Seq. No.	33952	Seq. ID	OJ000251_08.0218.C34
Gene No.	70295	Strand	+
Start	6806	End	8033
Name	OJ000251_08.0218.C34.o2.np	Method	AAT/NAP
Start	6788	End	7870
GI	3080439	Score	484
Exons	6788..6959, 7557..7870		
GI Descrip.	(AL022605) putative protein [Arabidopsis thaliana]		

Seq. No.	33952	Seq. ID	OJ000251_08.0218.C34
Gene No.	70295	Strand	+
Start	6806	End	8033
Name	OJ000251_08.0218.C34.o3.gs	Method	GENSCAN
Start	6806	End	7873
GI	none	Score	.98
Exons	6806..6959, 7557..7873		

Seq. No.	33952	Seq. ID	OJ000251_08.0218.C34
Gene No.	70296	Strand	+
Start	8761	End	9852
Name	OJ000251_08.0218.C34.o4.gs	Method	GENSCAN
Start	8761	End	9262
GI	none	Score	.58
Exons	8761..8927, 8968..9262		

Seq. No.	33952	Seq. ID	OJ000251_08.0218.C34
Gene No.	70296	Strand	+
Start	8761	End	9852
Name	OJ000251_08.0218.C34.o3.np	Method	AAT/NAP
Start	8880	End	9852
GI	6069646	Score	262
Exons	8880..9852		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	33952	Seq. ID	OJ000251_08.0218.C34
Gene No.	70297	Strand	+
Start	15204	End	20507
Name	OJ000251_08.0218.C34.o5.gs	Method	GENSCAN
Start	15204	End	20507
GI	none	Score	.55
Exons	15204..15345, 16418..16856, 17466..17637, 19112..19168, 19253..19557, 19861..20030, 20212..20507		

Seq. No.	33952	Seq. ID	OJ000251_08.0218.C34
Gene No.	70297	Strand	+
Start	15204	End	20507
Name	OJ000251_08.0218.C34.o4.np	Method	AAT/NAP
Start	19142	End	19573
GI	4063752	Score	285
Exons	19142..19168, 19253..19573		
GI Descrip.	(AC005851) unknown protein [Arabidopsis thaliana]		

Seq. No.	33952	Seq. ID	OJ000251_08.0218.C34
Gene No.	70298	Strand	-
Start	1	End	3488
Name	OJ000251_08.0218.C34.o1.np	Method	AAT/NAP
Start	1	End	3488
GI	5091513	Score	1848
Exons	1..1211, 3446..3488		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	33952	Seq. ID	OJ000251_08.0218.C34
Gene No.	70298	Strand	-
Start	1	End	3488
Name	OJ000251_08.0218.C34.o1.gs	Method	GENSCAN
Start	12	End	1254
GI	none	Score	.76
Exons	12..1254		

Seq. No.	33952	Seq. ID	OJ000251_08.0218.C34
Gene No.	70298	Strand	-
Start	1	End	3488
Name	OJ000251_08.0218.C34.o1.gp	Method	AAT/GAP
Start	1672	End	1985
GI	72524_1.R1084	Score	413
Exons	1672..1985		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	33952	Seq. ID	OJ000251_08.0218.C34
Gene No.	70299	Strand	
Start	6862	End	7903
Name	OJ000251_08.0218.C34.o1.tc	Method	TBLASTX:Cress
Start	6862	End	7903
GI	none	Score	121
Exons	6862..6960, 6875..6994, 7555..7638, 7556..7642, 7628..7762, 7648..7698, 7813..7872, 7814..7903		

Seq. No.	33952	Seq. ID	OJ000251_08.0218.C34
Gene No.	70299	Strand	
Start	6862	End	7903
Name	OJ000251_08.0218.C34.o2.ts	Method	TBLASTX:Soybean
Start	6862	End	7873
GI	none	Score	121
Exons	6862..6987, 6875..6979, 7555..7638, 7556..7642, 7628..7762, 7648..7698, 7784..7873, 7820..7873		

Seq. No.	33952	Seq. ID	OJ000251_08.0218.C34
Gene No.	70299	Strand	
Start	6862	End	7903

Name	OJ000251_08.0218.C34.o2.tm	Method	TBLASTX:Maize
Start	6881	End	7873
GI	none	Score	105
Exons	6881..6982, 7555..7689, 7556..7771, 7810..7872, 7811..7873, 7829..7873		

Seq. No.	33952	Seq. ID	OJ000251_08.0218.C34
Gene No.	70300	Strand	
Start	19249	End	19560
Name	OJ000251_08.0218.C34.o1.tm	Method	TBLASTX:Maize
Start	19249	End	19560
GI	none	Score	208
Exons	19249..19560, 19253..19378, 19255..19560		

Seq. No.	33952	Seq. ID	OJ000251_08.0218.C34
Gene No.	70300	Strand	
Start	19249	End	19560
Name	OJ000251_08.0218.C34.o1.ts	Method	TBLASTX:Soybean
Start	19252	End	19558
GI	none	Score	174
Exons	19252..19464, 19259..19378, 19433..19474, 19463..19558, 19474..19554		

Seq. No.	33952	Seq. ID	OJ000251_08.0218.C34
Gene No.	70300	Strand	
Start	19249	End	19560
Name	OJ000251_08.0218.C34.o2.tc	Method	TBLASTX:Cress
Start	19255	End	19558
GI	none	Score	150
Exons	19255..19383, 19256..19378, 19426..19464, 19433..19459, 19463..19558, 19474..19554		

Seq. No.	33953	Seq. ID	OJ000251_08.0218.C35
Gene No.	70301	Strand	+
Start	92	End	271
Name	OJ000251_08.0218.C35.o1.gs	Method	GENSCAN
Start	92	End	271
GI	none	Score	.57
Exons	92..103, 203..271		

Seq. No.	33954	Seq. ID	OJ000251_08.0218.C37
Gene No.	70302	Strand	-
Start	192	End	599
Name	OJ000251_08.0218.C37.o1.gp	Method	AAT/GAP
Start	192	End	599
GI	2291_1.R1084	Score	733
Exons	192..599		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	33954	Seq. ID	OJ000251_08.0218.C37
Gene No.	70302	Strand	-
Start	192	End	599
Name	OJ000251_08.0218.C37.o1.tm	Method	TBLASTX:Maize

Start	192	End	342
GI	none	Score	146
Exons	192..311, 192..332, 193..342, 194..334		

Seq. No.	33954	Seq. ID	OJ000251_08.0218.C37
Gene No.	70302	Strand	-
Start	192	End	599
Name	OJ000251_08.0218.C37.o2.tm	Method	TBLASTX:Maize
Start	402	End	598
GI	none	Score	67
Exons	402..482, 402..470, 480..596, 488..547, 491..598, 502..597		

Seq. No.	33955	Seq. ID	OJ000251_08.0218.C38
Gene No.	70303	Strand	+
Start	1	End	1022
Name	OJ000251_08.0218.C38.o1.np	Method	AAT/NAP
Start	1	End	1022
GI	3668088	Score	260
Exons	1..297, 986..1022		
GI Descrip.	(AC004667) similar to mammalian MHC III region protein G9a [Arabidopsis thaliana]		

Seq. No.	33955	Seq. ID	OJ000251_08.0218.C38
Gene No.	70303	Strand	+
Start	1	End	1022
Name	OJ000251_08.0218.C38.o1.tw	Method	TBLASTX:Wheat
Start	5	End	278
GI	none	Score	165
Exons	5..178, 6..206, 188..265, 195..278		

Seq. No.	33955	Seq. ID	OJ000251_08.0218.C38
Gene No.	70303	Strand	+
Start	1	End	1022
Name	OJ000251_08.0218.C38.o1.tm	Method	TBLASTX:Maize
Start	122	End	298
GI	none	Score	237
Exons	122..298, 123..296, 194..298		

Seq. No.	33956	Seq. ID	OJ000251_08.0218.C39
Gene No.	70304	Strand	+
Start	1	End	4720
Name	OJ000251_08.0218.C39.o1.np	Method	AAT/NAP
Start	1	End	641
GI	4314371	Score	525
Exons	1..288, 316..641		
GI Descrip.	(AC006340) similar to mammalian MHC III region protein G9a [Arabidopsis thaliana]		

Seq. No.	33956	Seq. ID	OJ000251_08.0218.C39
Gene No.	70304	Strand	+
Start	1	End	4720
Name	OJ000251_08.0218.C39.o1.gs	Method	GENSCAN
Start	65	End	4720
GI	none	Score	.62
Exons	65..77, 169..561, 635..679, 1470..1794, 4026..4182, 4700..4720		

Seq. No.	33956	Seq. ID	OJ000251_08.0218.C39

Gene No.	70305	Strand	+
Start	5649	End	6716
Name	OJ000251_08.0218.C39.o2.gs	Method	GENSCAN
Start	5649	End	6716
GI	none	Score	.63
Exons	5649..5849, 5854..6000, 6078..6257, 6336..6716		

Seq. No.	33956	Seq. ID	OJ000251_08.0218.C39
Gene No.	70306	Strand	-
Start	347	End	5975
Name	OJ000251_08.0218.C39.o1.tm	Method	TBLASTX:Maize
Start	48	End	573
GI	none	Score	295
Exons	48..275, 48..275, 49..276, 49..285, 377..511, 386..547, 387..560, 391..573		

Seq. No.	33956	Seq. ID	OJ000251_08.0218.C39
Gene No.	70306	Strand	-
Start	347	End	5975
Name	OJ000251_08.0218.C39.o2.np	Method	AAT/NAP
Start	347	End	5975
GI	1168470	Score	115
Exons	347..384, 5687..5975		
GI Descrip.	PROTEIN KINASE APK1A gi|282877|pir||S28615 protein kinase, tyrosine/serine/threonine-specific (EC 2.7.1.-) - Arabidopsis thaliana gi|217829|dbj|BAA02092| (D12522) protein tyrosine-serine-threonine kinase [Arabidopsis thaliana]		

Seq. No.	33956	Seq. ID	OJ000251_08.0218.C39
Gene No.	70306	Strand	-
Start	347	End	5975
Name	OJ000251_08.0218.C39.o1.ts	Method	TBLASTX:Soybean
Start	386	End	669
GI	none	Score	262
Exons	386..547, 387..611, 399..599, 546..659, 580..669		

Seq. No.	33957	Seq. ID	OJ000251_08.0218.C40
Gene No.	70307	Strand	+
Start	1	End	3982
Name	OJ000251_08.0218.C40.o1.np	Method	AAT/NAP
Start	1	End	3738
GI	5123569	Score	1242
Exons	1..78, 113..279, 340..680, 892..1127, 1361..1688, 1793..1923, 2352..2702, 2848..3004, 3093..3385, 3492..3552, 3644..3738		
GI Descrip.	(AL079344) putative protein [Arabidopsis thaliana]		

Seq. No.	33957	Seq. ID	OJ000251_08.0218.C40
Gene No.	70307	Strand	+
Start	1	End	3982
Name	OJ000251_08.0218.C40.o1.gs	Method	GENSCAN
Start	81	End	3982
GI	none	Score	.8
Exons	81..1127, 1400..1688, 1793..1923, 2848..3004, 3093..3385, 3655..3744, 3899..3982		

Seq. No.	33957	Seq. ID	OJ000251_08.0218.C40
Gene No.	70308	Strand	+

Start	5225	End	5325
Name	OJ000251_08.0218.C40.o1.gp	Method	AAT/GAP
Start	5225	End	5325
GI	none	Score	169
Exons	5225..5325		

Seq. No.	33957	Seq. ID	OJ000251_08.0218.C40
Gene No.	70309	Strand	+
Start	6502	End	9171
Name	OJ000251_08.0218.C40.o3.tm	Method	TBLASTX:Maize
Start	891	End	1705
GI	none	Score	67
Exons	891..1049, 1229..1339, 1471..1692, 1472..1705		

Seq. No.	33957	Seq. ID	OJ000251_08.0218.C40
Gene No.	70309	Strand	+
Start	6502	End	9171
Name	OJ000251_08.0218.C40.o2.tm	Method	TBLASTX:Maize
Start	2334	End	3406
GI	none	Score	37
Exons	2334..2366, 2370..2462, 2896..3033, 3091..3375, 3092..3406		

Seq. No.	33957	Seq. ID	OJ000251_08.0218.C40
Gene No.	70309	Strand	+
Start	6502	End	9171
Name	OJ000251_08.0218.C40.o1.tc	Method	TBLASTX:Cress
Start	2363	End	3557
GI	none	Score	106
Exons	2363..2491, 2364..2501, 2457..2711, 2558..2602, 2848..3015, 3091..3369, 3092..3391, 3495..3557		

Seq. No.	33957	Seq. ID	OJ000251_08.0218.C40
Gene No.	70309	Strand	+
Start	6502	End	9171
Name	OJ000251_08.0218.C40.o1.ts	Method	TBLASTX:Soybean
Start	2559	End	3411
GI	none	Score	83
Exons	2559..2696, 2847..3020, 2848..3033, 3078..3386, 3091..3375, 3092..3391, 3092..3385, 3097..3411		

Seq. No.	33957	Seq. ID	OJ000251_08.0218.C40
Gene No.	70309	Strand	+
Start	6502	End	9171
Name	OJ000251_08.0218.C40.o1.tw	Method	TBLASTX:Wheat
Start	2593	End	3264
GI	none	Score	134
Exons	2593..2670, 2598..2702, 2601..2702, 2842..3006, 2851..3003, 2927..3022, 3091..3264, 3092..3262, 3103..3264		

Seq. No.	33957	Seq. ID	OJ000251_08.0218.C40
Gene No.	70309	Strand	+
Start	6502	End	9171
Name	OJ000251_08.0218.C40.o2.np	Method	AAT/NAP
Start	6502	End	9171
GI	5441880	Score	1498
Exons	6502..7513, 7958..7986, 8245..8487, 9152..9171		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the		

predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	33957	Seq. ID	OJ000251_08.0218.C40
Gene No.	70309	Strand	+
Start	6502	End	9171
Name	OJ000251_08.0218.C40.o1.tm	Method	TBLASTX:Maize
Start	7069	End	7665
GI	none	Score	371
Exons	7069..7536, 7074..7547, 7594..7665		

Seq. No.	33957	Seq. ID	OJ000251_08.0218.C40
Gene No.	70309	Strand	+
Start	6502	End	9171
Name	OJ000251_08.0218.C40.o2.tw	Method	TBLASTX:Wheat
Start	7365	End	7740
GI	none	Score	181
Exons	7365..7517, 7366..7542, 7566..7634, 7567..7740, 7589..7729		

Seq. No.	33958	Seq. ID	OJ000251_08.0218.C41
Gene No.	70310	Strand	+
Start	1	End	4787
Name	OJ000251_08.0218.C41.o2.np	Method	AAT/NAP
Start	1	End	3674
GI	5441880	Score	143
Exons	1..34, 3460..3674		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	33958	Seq. ID	OJ000251_08.0218.C41
Gene No.	70310	Strand	+
Start	1	End	4787
Name	OJ000251_08.0218.C41.o1.gp	Method	AAT/GAP
Start	2078	End	2188
GI	uC-osflcyp088b12b1	Score	159
Exons	2078..2188		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	33958	Seq. ID	OJ000251_08.0218.C41
Gene No.	70310	Strand	+
Start	1	End	4787
Name	OJ000251_08.0218.C41.o2.gs	Method	GENSCAN
Start	3252	End	4787
GI	none	Score	.7
Exons	3252..3660, 3724..3997, 4344..4568, 4751..4787		

Seq. No.	33958	Seq. ID	OJ000251_08.0218.C41
Gene No.	70311	Strand	-
Start	75	End	2470
Name	OJ000251_08.0218.C41.o1.gs	Method	GENSCAN
Start	75	End	2470
GI	none	Score	.59
Exons	75..391, 430..663, 1404..1529, 2361..2470		

Seq. No.	33958	Seq. ID	OJ000251_08.0218.C41

Gene No.	70311	Strand	-
Start	75	End	2470
Name	OJ000251_08.0218.C41.o1.np	Method	AAT/NAP
Start	1360	End	1487
GI	4680183	Score	118
Exons	1360..1487		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	33959	Seq. ID	OJ000251_08.0218.C42
Gene No.	70312	Strand	+
Start	1	End	5487
Name	OJ000251_08.0218.C42.o1.np	Method	AAT/NAP
Start	1	End	1796
GI	4539363	Score	121
Exons	1..124, 360..604, 1738..1796		
GI Descrip.	(AL049525) putative protein [Arabidopsis thaliana]		

Seq. No.	33959	Seq. ID	OJ000251_08.0218.C42
Gene No.	70312	Strand	+
Start	1	End	5487
Name	OJ000251_08.0218.C42.o1.gs	Method	GENSCAN
Start	283	End	5487
GI	none	Score	74
Exons	283..719, 833..974, 1181..1316, 1954..2051, 2241..2376, 2503..2631, 2883..3008, 3092..3199, 3300..3395, 4388..4727, 4851..4972, 5092..5213, 5374..5487		

Seq. No.	33959	Seq. ID	OJ000251_08.0218.C42
Gene No.	70313	Strand	+
Start	8893	End	10835
Name	OJ000251_08.0218.C42.o3.gs	Method	GENSCAN
Start	8893	End	9292
GI	none	Score	.98
Exons	8893..8910, 9170..9292		

Seq. No.	33959	Seq. ID	OJ000251_08.0218.C42
Gene No.	70313	Strand	+
Start	8893	End	10835
Name	OJ000251_08.0218.C42.o1.gp	Method	AAT/GAP
Start	9103	End	10279
GI	none	Score	1060
Exons	9103..9335, 9963..10279		

Seq. No.	33959	Seq. ID	OJ000251_08.0218.C42
Gene No.	70313	Strand	+
Start	8893	End	10835
Name	OJ000251_08.0218.C42.o2.np	Method	AAT/NAP
Start	9988	End	10835
GI	4415936	Score	118
Exons	9988..10371, 10492..10835		
GI Descrip.	(AC006418) unknown protein [Arabidopsis thaliana]		

Seq. No.	33959	Seq. ID	OJ000251_08.0218.C42
Gene No.	70313	Strand	+
Start	8893	End	10835
Name	OJ000251_08.0218.C42.o4.gs	Method	GENSCAN
Start	9988	End	10790

GI	none	Score	.96
Exons	9988..10790		

Seq. No.	33959	Seq. ID	OJ000251_08.0218.C42
Gene No.	70313	Strand	+
Start	8893	End	10835
Name	OJ000251_08.0218.C42.o2.gp	Method	AAT/GAP
Start	10411	End	10835
GI	58733_1.R1084	Score	800
Exons	10411..10835		
GI Descrip.	'4415936/gb|AAD20166| 9.0e-17 (AC006418) unknown protein [Arabidopsis thaliana]'		

Seq. No.	33959	Seq. ID	OJ000251_08.0218.C42
Gene No.	70314	Strand	-
Start	6457	End	7000
Name	OJ000251_08.0218.C42.o2.gs	Method	GENSCAN
Start	6457	End	7000
GI	none	Score	.72
Exons	6457..6706, 6990..7000		

Seq. No.	33959	Seq. ID	OJ000251_08.0218.C42
Gene No.	70315	Strand	
Start	10007	End	10383
Name	OJ000251_08.0218.C42.o1.tm	Method	TBLASTX:Maize
Start	10007	End	10383
GI	none	Score	215
Exons	10007..10285, 10008..10286, 10030..10350, 10030..10350, 10041..10373, 10332..10382, 10351..10383		

Seq. No.	33959	Seq. ID	OJ000251_08.0218.C42
Gene No.	70316	Strand	
Start	10490	End	10831
Name	OJ000251_08.0218.C42.o2.tm	Method	TBLASTX:Maize
Start	10490	End	10831
GI	none	Score	170
Exons	10490..10702, 10492..10707, 10493..10660, 10494..10703, 10495..10707, 10692..10757, 10693..10758, 10712..10768, 10736..10768, 10764..10829, 10765..10830, 10793..10831		

Seq. No.	33960	Seq. ID	OJ000251_08.0218.C43
Gene No.	70317	Strand	+
Start	1	End	1318
Name	OJ000251_08.0218.C43.o1.np	Method	AAT/NAP
Start	1	End	821
GI	4415936	Score	238
Exons	1..63, 368..821		
GI Descrip.	(AC006418) unknown protein [Arabidopsis thaliana]		

Seq. No.	33960	Seq. ID	OJ000251_08.0218.C43
Gene No.	70317	Strand	+
Start	1	End	1318
Name	OJ000251_08.0218.C43.o1.gs	Method	GENSCAN
Start	208	End	816
GI	none	Score	.53
Exons	208..816		

Seq. No.	33960	Seq. ID	OJ000251_08.0218.C43
Gene No.	70317	Strand	+
Start	1	End	1318
Name	OJ000251_08.0218.C43.o1.gp	Method	AAT/GAP
Start	638	End	1318
GI	none	Score	1267
Exons	638..1318		

Seq. No.	33960	Seq. ID	OJ000251_08.0218.C43
Gene No.	70318	Strand	+
Start	4675	End	5958
Name	OJ000251_08.0218.C43.o3.gs	Method	GENSCAN
Start	4675	End	5958
GI	none	Score	.77
Exons	4675..4710, 4771..4947, 5212..5958		

Seq. No.	33960	Seq. ID	OJ000251_08.0218.C43
Gene No.	70319	Strand	+
Start	6999	End	7257
Name	OJ000251_08.0218.C43.o4.gp	Method	AAT/GAP
Start	6999	End	7257
GI	3106760	Score	471
Exons	6999..7257		

Seq. No.	33960	Seq. ID	OJ000251_08.0218.C43
Gene No.	70320	Strand	-
Start	2508	End	5811
Name	OJ000251_08.0218.C43.o2.gp	Method	AAT/GAP
Start	2261	End	3624
GI	57414_1.R1084	Score	1078
Exons	2261..2603, 2714..2830, 3511..3624		
GI Descrip.	'3135273 1.0e-10 (AC003058) hypothetical protein [Arabidopsis thaliana] >gi_4191773 (AC005917) putative WD-40 repeat protein [Arabidopsis thaliana]'		

Seq. No.	33960	Seq. ID	OJ000251_08.0218.C43
Gene No.	70320	Strand	-
Start	2508	End	5811
Name	OJ000251_08.0218.C43.o2.gs	Method	GENSCAN
Start	2508	End	4329
GI	none	Score	.93
Exons	2508..2603, 2714..2830, 3511..3621, 3707..3813, 4121..4160, 4267..4329		

Seq. No.	33960	Seq. ID	OJ000251_08.0218.C43
Gene No.	70320	Strand	-
Start	2508	End	5811
Name	OJ000251_08.0218.C43.o2.np	Method	AAT/NAP
Start	2517	End	5811
GI	4191773	Score	608
Exons	2517..2603, 3511..3621, 3707..3813, 4121..4156, 4263..4347, 4517..4570, 4739..4799, 4923..4968, 5215..5291, 5387..5485, 5585..5811		
GI Descrip.	(AC005917) putative WD-40 repeat protein [Arabidopsis thaliana]		

Seq. No.	33960	Seq. ID	OJ000251_08.0218.C43
Gene No.	70320	Strand	-

Start	2508	End	5811
Name	OJ000251_08.0218.C43.o3.gp	Method	AAT/GAP
Start	4120	End	5506
GI	uC-osf1M202046h12b1	Score	828
Exons	4120..4160, 4267..4347, 4517..4570, 4739..4799, 4923..4968, 5215..5291, 5387..5506		
GI Descrip.	'3135273 3.0e-46 (AC003058) hypothetical protein [Arabidopsis thaliana] >gi_4191773 (AC005917) putative WD-40 repeat protein [Arabidopsis thaliana]'		

Seq. No.	33960	Seq. ID	OJ000251_08.0218.C43
Gene No.	70321	Strand	-
Start	7194	End	8631
Name	OJ000251_08.0218.C43.o1.tm	Method	TBLASTX:Maize
Start	304	End	823
GI	none	Score	279
Exons	304..645, 326..613, 340..621, 613..723, 616..822, 758..823		

Seq. No.	33960	Seq. ID	OJ000251_08.0218.C43
Gene No.	70321	Strand	-
Start	7194	End	8631
Name	OJ000251_08.0218.C43.o2.tm	Method	TBLASTX:Maize
Start	2494	End	3549
GI	none	Score	125
Exons	2494..2604, 2507..2587, 2508..2603, 2711..2833, 2711..2830, 2715..2840, 3508..3549		

Seq. No.	33960	Seq. ID	OJ000251_08.0218.C43
Gene No.	70321	Strand	-
Start	7194	End	8631
Name	OJ000251_08.0218.C43.o3.tm	Method	TBLASTX:Maize
Start	5211	End	5790
GI	none	Score	69
Exons	5211..5255, 5213..5254, 5216..5293, 5387..5500, 5389..5502, 5389..5493, 5414..5500, 5445..5594, 5722..5790		

Seq. No.	33960	Seq. ID	OJ000251_08.0218.C43
Gene No.	70321	Strand	-
Start	7194	End	8631
Name	OJ000251_08.0218.C43.o4.gs	Method	GENSCAN
Start	7194	End	8524
GI	none	Score	96
Exons	7194..7399, 8488..8524		

Seq. No.	33960	Seq. ID	OJ000251_08.0218.C43
Gene No.	70321	Strand	-
Start	7194	End	8631
Name	OJ000251_08.0218.C43.o3.np	Method	AAT/NAP
Start	7197	End	8335
GI	6648159	Score	142
Exons	7197..7399, 8278..8335		
GI Descrip.	(AC010926) unknown protein [Arabidopsis thaliana]		

Seq. No.	33960	Seq. ID	OJ000251_08.0218.C43
Gene No.	70321	Strand	-
Start	7194	End	8631
Name	OJ000251_08.0218.C43.o1.tw	Method	TBLASTX:Wheat

Start	7212	End	8631
GI	none	Score	81
Exons	7212..7361, 7212..7361, 7225..7362, 7282..7347, 7284..7349, 7299..7349, 7304..7372, 7353..7400, 7354..7422, 8498..8629, 8503..8607, 8503..8631		

Seq. No.	33960	Seq. ID	OJ000251_08.0218.C43
Gene No.	70321	Strand	-
Start	7194	End	8631
Name	OJ000251_08.0218.C43.o5.gp	Method	AAT/GAP
Start	7309	End	8631
GI	none	Score	406
Exons	7309..7399, 8487..8631		

Seq. No.	33961	Seq. ID	OJ000251_08.0218.C44
Gene No.	70322	Strand	+
Start	1	End	413
Name	OJ000251_08.0218.C44.o1.np	Method	AAT/NAP
Start	1	End	413
GI	6466937	Score	352
Exons	1..413		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	33961	Seq. ID	OJ000251_08.0218.C44
Gene No.	70322	Strand	+
Start	1	End	413
Name	OJ000251_08.0218.C44.o1.tm	Method	TBLASTX:Maize
Start	20	End	412
GI	none	Score	416
Exons	20..412, 91..369		

Seq. No.	33961	Seq. ID	OJ000251_08.0218.C44
Gene No.	70322	Strand	+
Start	1	End	413
Name	OJ000251_08.0218.C44.o1.ts	Method	TBLASTX:Soybean
Start	23	End	394
GI	none	Score	299
Exons	23..394, 73..303		

Seq. No.	33962	Seq. ID	OJ000251_08.0218.C45
Gene No.	70323	Strand	-
Start	9	End	541
Name	OJ000251_08.0218.C45.o1.np	Method	AAT/NAP
Start	9	End	541
GI	6469089	Score	211
Exons	9..228, 312..541		
GI Descrip.	(AB024006) nicotianamine aminotransferase [Hordeum vulgare]		

Seq. No.	33962	Seq. ID	OJ000251_08.0218.C45
Gene No.	70323	Strand	-
Start	9	End	541
Name	OJ000251_08.0218.C45.o1.ts	Method	TBLASTX:Soybean
Start	130	End	465
GI	none	Score	97
Exons	130..234, 131..229, 133..234, 309..464, 310..465		

Seq. No.	33962	Seq. ID	OJ000251_08.0218.C45
Gene No.	70323	Strand	-
Start	9	End	541
Name	OJ000251_08.0218.C45.o1.tm	Method	TBLASTX:Maize
Start	133	End	539
GI	none	Score	136
Exons	133..228, 133..234, 135..230, 312..476	292..516, 309..539, 310..468,	

Seq. No.	33962	Seq. ID	OJ000251_08.0218.C45
Gene No.	70323	Strand	-
Start	9	End	541
Name	OJ000251_08.0218.C45.o1.gs	Method	GENSCAN
Start	135	End	467
GI	none	Score	.73
Exons	135..306, 312..467		

Seq. No.	33963	Seq. ID	OJ000251_08.0218.C48
Gene No.	70324	Strand	+
Start	134	End	506
Name	OJ000251_08.0218.C48.o1.gs	Method	GENSCAN
Start	134	End	506
GI	none	Score	.99
Exons	134..272, 364..506		

Seq. No.	33964	Seq. ID	OJ000251_04.0217.C3
Gene No.	70325	Strand	+
Start	53	End	243
Name	OJ000251_04.0217.C3.o1.gs	Method	GENSCAN
Start	53	End	243
GI	none	Score	.89
Exons	53..243		

Seq. No.	33965	Seq. ID	OJ000251_04.0217.C4
Gene No.	70326	Strand	-
Start	169	End	217
Name	OJ000251_04.0217.C4.o1.gs	Method	GENSCAN
Start	169	End	217
GI	none	Score	.54
Exons	169..217		

Seq. No.	33966	Seq. ID	OJ000251_04.0217.C7
Gene No.	70327	Strand	+
Start	3145	End	5574
Name	OJ000251_04.0217.C7.o3.np	Method	AAT/NAP
Start	3095	End	5574
GI	5915841	Score	320
Exons	3095..3570, 5498..5574		
GI Descrip.	CYTOCHROME P450 71E1 gi|2766452 (AF029858) cytochrome P450 CYP71E1 [Sorghum bicolor]		

Seq. No.	33966	Seq. ID	OJ000251_04.0217.C7
Gene No.	70327	Strand	+
Start	3145	End	5574
Name	OJ000251_04.0217.C7.o3.gs	Method	GENSCAN
Start	3145	End	3579
GI	none	Score	1

Exons	3145..3579		
Seq. No.	33966	Seq. ID	OJ000251_04.0217.C7
Gene No.	70328	Strand	-
Start	1391	End	3004
Name	OJ000251_04.0217.C7.o2.gs	Method	GENSCAN
Start	1391	End	3004
GI	none	Score	.77
Exons	1391..1658, 1737..2178, 2204..2495, 2720..2834, 2916..3004		
Seq. No.	33966	Seq. ID	OJ000251_04.0217.C7
Gene No.	70328	Strand	-
Start	1391	End	3004
Name	OJ000251_04.0217.C7.o2.np	Method	AAT/NAP
Start	1567	End	2114
GI	479357	Score	83
Exons	1567..1685, 1841..2114		
GI Descrip.	hypothetical protein 612 - maize transposon MuA2 gi|22375|emb|CAA44165| (X62251) ORF [Zea mays]		
Seq. No.	33966	Seq. ID	OJ000251_04.0217.C7
Gene No.	70329	Strand	-
Start	5131	End	6617
Name	OJ000251_04.0217.C7.o1.tm	Method	TBLASTX:Maize
Start	382	End	756
GI	none	Score	410
Exons	382..714, 406..756, 411..752		
Seq. No.	33966	Seq. ID	OJ000251_04.0217.C7
Gene No.	70329	Strand	-
Start	5131	End	6617
Name	OJ000251_04.0217.C7.o3.tm	Method	TBLASTX:Maize
Start	1844	End	2134
GI	none	Score	171
Exons	1844..1873, 1913..2134		
Seq. No.	33966	Seq. ID	OJ000251_04.0217.C7
Gene No.	70329	Strand	-
Start	5131	End	6617
Name	OJ000251_04.0217.C7.o1.tc	Method	TBLASTX:Cress
Start	3215	End	3567
GI	none	Score	111
Exons	3215..3340, 3268..3288, 3337..3567, 3348..3539		
Seq. No.	33966	Seq. ID	OJ000251_04.0217.C7
Gene No.	70329	Strand	-
Start	5131	End	6617
Name	OJ000251_04.0217.C7.o2.tm	Method	TBLASTX:Maize
Start	3242	End	3567
GI	none	Score	99
Exons	3242..3340, 3337..3567		
Seq. No.	33966	Seq. ID	OJ000251_04.0217.C7
Gene No.	70329	Strand	-
Start	5131	End	6617
Name	OJ000251_04.0217.C7.o1.ts	Method	TBLASTX:Soybean
Start	3245	End	3555

GI	none	Score	125
Exons	3245..3340, 3337..3555		
Seq. No.	33966	Seq. ID	OJ000251_04.0217.C7
Gene No.	70329	Strand	-
Start	5131	End	6617
Name	OJ000251_04.0217.C7.o4.gs	Method	GENSCAN
Start	5131	End	6617
GI	none	Score	.62
Exons	5131..5380, 5687..5767, 6486..6617		
Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70330	Strand	+
Start	1967	End	3687
Name	OJ000251_04.0217.C8.o1.gs	Method	GENSCAN
Start	1967	End	3684
GI	none	Score	.91
Exons	1967..2050, 2075..2107, 2507..2965, 3067..3348, 3367..3684		
Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70330	Strand	+
Start	1967	End	3687
Name	OJ000251_04.0217.C8.o1.np	Method	AAT/NAP
Start	2544	End	3687
GI	5915841	Score	835
Exons	2544..2837, 2871..2965, 3067..3687		
GI Descrip.	CYTOCHROME P450 71E1 gi|2766452 (AF029858) cytochrome P450 CYP71E1 [Sorghum bicolor]		
Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70331	Strand	+
Start	9035	End	18122
Name	OJ000251_04.0217.C8.o3.gs	Method	GENSCAN
Start	9035	End	10537
GI	none	Score	.99
Exons	9035..10537		
Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70331	Strand	+
Start	9035	End	18122
Name	OJ000251_04.0217.C8.o2.np	Method	AAT/NAP
Start	9164	End	18122
GI	5734709	Score	1220
Exons	9164..9365, 15333..15877, 15926..16132, 16220..16719, 16839..16909, 17014..17090, 17254..17401, 17524..17716, 17955..18122		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		
Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70331	Strand	+
Start	9035	End	18122
Name	OJ000251_04.0217.C8.o5.gs	Method	GENSCAN
Start	14976	End	18118
GI	none	Score	.8
Exons	14976..15033, 15051..15873, 15881..16155, 16240..16719, 16839..16986, 17254..17401, 17524..17685, 17921..18118		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70332	Strand	+
Start	19997	End	20444
Name	OJ000251_04.0217.C8.o2.gp	Method	AAT/GAP
Start	19997	End	20444
GI	none	Score	821
Exons	19997..20444		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70333	Strand	-
Start	4659	End	7349
Name	OJ000251_04.0217.C8.o2.gs	Method	GENSCAN
Start	4659	End	7142
GI	none	Score	.81
Exons	4659..4731, 4869..4956, 6944..7142		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70333	Strand	-
Start	4659	End	7349
Name	OJ000251_04.0217.C8.o1.gp	Method	AAT/GAP
Start	4907	End	7349
GI	none	Score	805
Exons	4907..4956, 6944..7349		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70334	Strand	-
Start	11904	End	14194
Name	OJ000251_04.0217.C8.o4.gs	Method	GENSCAN
Start	11904	End	14194
GI	none	Score	.49
Exons	11904..11955, 12047..12174, 13665..13881, 13935..14054, 14121..14194		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70335	Strand	-
Start	19789	End	25098
Name	OJ000251_04.0217.C8.o2.ts	Method	TBLASTX:Soybean
Start	2720	End	3662
GI	none	Score	78
Exons	2720..2806, 3072..3662, 3076..3657		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70335	Strand	-
Start	19789	End	25098
Name	OJ000251_04.0217.C8.o1.tc	Method	TBLASTX:Cress
Start	3066	End	3660
GI	none	Score	140
Exons	3066..3185, 3067..3195, 3187..3660, 3189..3587, 3307..3642		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70335	Strand	-
Start	19789	End	25098
Name	OJ000251_04.0217.C8.o3.tw	Method	TBLASTX:Wheat
Start	3067	End	3329
GI	none	Score	218
Exons	3067..3327, 3081..3329		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70335	Strand	-
Start	19789	End	25098
Name	OJ000251_04.0217.C8.o3.tm	Method	TBLASTX:Maize
Start	3178	End	3662
GI	none	Score	556
Exons	3178..3660, 3180..3392, 3283..3636, 3444..3662		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70335	Strand	-
Start	19789	End	25098
Name	OJ000251_04.0217.C8.o1.tw	Method	TBLASTX:Wheat
Start	3330	End	3660
GI	none	Score	121
Exons	3330..3383, 3331..3432, 3439..3597, 3444..3581, 3586..3660		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70335	Strand	-
Start	19789	End	25098
Name	OJ000251_04.0217.C8.o5.tm	Method	TBLASTX:Maize
Start	4650	End	7142
GI	none	Score	118
Exons	4650..4733, 4651..4737, 4869..4973, 4869..4946, 4870..4959, 4871..4972, 6948..7142		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70335	Strand	-
Start	19789	End	25098
Name	OJ000251_04.0217.C8.o4.tm	Method	TBLASTX:Maize
Start	9848	End	10228
GI	none	Score	432
Exons	9848..10228, 9850..10227		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70335	Strand	-
Start	19789	End	25098
Name	OJ000251_04.0217.C8.o2.tc	Method	TBLASTX:Cress
Start	16131	End	16728
GI	none	Score	36
Exons	16131..16169, 16232..16291, 16236..16295, 16266..16634, 16322..16633, 16625..16723, 16632..16721, 16651..16728		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70335	Strand	-
Start	19789	End	25098
Name	OJ000251_04.0217.C8.o3.ts	Method	TBLASTX:Soybean
Start	16245	End	18055
GI	none	Score	460
Exons	16245..16733, 16325..16516, 16586..16726, 16841..16912, 16843..16911, 17011..17109, 17013..17093, 17254..17400, 17255..17401, 17524..17715, 17956..18054, 17957..18055		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70335	Strand	-
Start	19789	End	25098
Name	OJ000251_04.0217.C8.o2.tw	Method	TBLASTX:Wheat

Start	16248	End	16559
GI	none	Score	227
Exons	16248..16559, 16322..16519		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70335	Strand	-
Start	19789	End	25098
Name	OJ000251_04.0217.C8.o2.tm	Method	TBLASTX:Maize
Start	16332	End	17401
GI	none	Score	475
Exons	16332..16733, 16382..16726, 16843..16911, 16844..16912, 17013..17108, 17014..17109, 17254..17400, 17255..17401		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70335	Strand	-
Start	19789	End	25098
Name	OJ000251_04.0217.C8.o7.tc	Method	TBLASTX:Cress
Start	16841	End	17118
GI	none	Score	110
Exons	16841..16912, 16843..16911, 17011..17118, 17013..17108		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70335	Strand	-
Start	19789	End	25098
Name	OJ000251_04.0217.C8.o4.tw	Method	TBLASTX:Wheat
Start	17013	End	17580
GI	none	Score	109
Exons	17013..17108, 17014..17109, 17254..17301, 17255..17314, 17315..17401, 17338..17406, 17524..17580		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70335	Strand	-
Start	19789	End	25098
Name	OJ000251_04.0217.C8.o5.tc	Method	TBLASTX:Cress
Start	17255	End	17565
GI	none	Score	229
Exons	17255..17401, 17260..17400, 17524..17565		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70335	Strand	-
Start	19789	End	25098
Name	OJ000251_04.0217.C8.o3.np	Method	AAT/NAP
Start	19789	End	25098
GI	6642652	Score	552
Exons	19789..19837, 20399..20717, 20833..21021, 22798..23415, 24821..25098		
GI Descrip.	(AC012395) putative purple acid phosphatase [Arabidopsis thaliana]		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70335	Strand	-
Start	19789	End	25098
Name	OJ000251_04.0217.C8.o4.tc	Method	TBLASTX:Cress
Start	20315	End	20694
GI	none	Score	161
Exons	20315..20554, 20329..20550, 20346..20552, 20625..20693, 20626..20694		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70335	Strand	-
Start	19789	End	25098
Name	OJ000251_04.0217.C8.o1.tm	Method	TBLASTX:Maize
Start	20329	End	25017
GI	none	Score	36
Exons	20329..20358, 20333..20359, 20356..20550, 20358..20549, 20363..20566, 20619..20714, 20623..20712, 20625..20714, 20626..20715, 20831..21022, 20832..21023, 20833..21024, 20833..21033, 22776..23468, 22797..23468, 22798..23469, 22802..23470, 24886..24963, 24887..24940, 24928..24963, 24985..25017		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70335	Strand	-
Start	19789	End	25098
Name	OJ000251_04.0217.C8.o6.gs	Method	GENSCAN
Start	20329	End	25098
GI	none	Score	.73
Exons	20329..20548, 20629..20717, 20833..21021, 22798..23466, 24889..25098		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70335	Strand	-
Start	19789	End	25098
Name	OJ000251_04.0217.C8.o5.ts	Method	TBLASTX:Soybean
Start	20434	End	20714
GI	none	Score	77
Exons	20434..20547, 20441..20515, 20634..20714, 20637..20714		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70335	Strand	-
Start	19789	End	25098
Name	OJ000251_04.0217.C8.o3.gp	Method	AAT/GAP
Start	20493	End	22967
GI	21345_1.R1084	Score	890
Exons	20493..20548, 20629..20717, 20833..21021, 22798..22967		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70335	Strand	-
Start	19789	End	25098
Name	OJ000251_04.0217.C8.o4.ts	Method	TBLASTX:Soybean
Start	20822	End	21018
GI	none	Score	157
Exons	20822..20998, 20824..21018, 20830..21009		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70335	Strand	-
Start	19789	End	25098
Name	OJ000251_04.0217.C8.o6.tc	Method	TBLASTX:Cress
Start	20833	End	22923
GI	none	Score	71
Exons	20833..21018, 20939..21022, 22801..22923		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70335	Strand	-
Start	19789	End	25098
Name	OJ000251_04.0217.C8.o6.ts	Method	TBLASTX:Soybean
Start	22885	End	23017
GI	none	Score	106
Exons	22885..23016, 22886..23017		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70335	Strand	-
Start	19789	End	25098
Name	OJ000251_04.0217.C8.o3.tc	Method	TBLASTX:Cress
Start	22924	End	23409
GI	none	Score	52
Exons	22924..22998, 22925..22996, 22991..23068, 23062..23106, 23063..23098, 23098..23409, 23099..23371		

Seq. No.	33967	Seq. ID	OJ000251_04.0217.C8
Gene No.	70335	Strand	-
Start	19789	End	25098
Name	OJ000251_04.0217.C8.o1.ts	Method	TBLASTX:Soybean
Start	23021	End	23470
GI	none	Score	412
Exons	23021..23470, 23023..23469		

Seq. No.	33968	Seq. ID	OJ000251_04.0217.C9
Gene No.	70336	Strand	+
Start	619	End	1398
Name	OJ000251_04.0217.C9.o1.gs	Method	GENSCAN
Start	619	End	1398
GI	none	Score	.72
Exons	619..792, 1309..1398		

Seq. No.	33968	Seq. ID	OJ000251_04.0217.C9
Gene No.	70337	Strand	-
Start	3607	End	6443
Name	OJ000251_04.0217.C9.o2.gs	Method	GENSCAN
Start	3607	End	6443
GI	none	Score	.69
Exons	3607..3705, 4455..6443		

Seq. No.	33969	Seq. ID	OJ000251_04.0217.C10
Gene No.	70338	Strand	-
Start	68	End	1636
Name	OJ000251_04.0217.C10.o1.gs	Method	GENSCAN
Start	68	End	1636
GI	none	Score	.85
Exons	68..414, 515..634, 1367..1636		

Seq. No.	33970	Seq. ID	OJ000251_04.0217.C12
Gene No.	70339	Strand	+
Start	550	End	1740
Name	OJ000251_04.0217.C12.o1.gs	Method	GENSCAN
Start	550	End	1740
GI	none	Score	.51
Exons	550..570, 1687..1740		

Seq. No.	33970	Seq. ID	OJ000251_04.0217.C12
Gene No.	70340	Strand	-
Start	2360	End	2648
Name	OJ000251_04.0217.C12.o2.gs	Method	GENSCAN
Start	2360	End	2648
GI	none	Score	.77
Exons	2360..2414, 2511..2648		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70341	Strand	+
Start	327	End	7742
Name	OJ000251_04.0217.C13.o1.gs	Method	GENSCAN
Start	327	End	7742
GI	none	Score	.53
Exons	327..431, 606..1070, 1201..1258, 1337..1555, 4446..5626, 5708..6130, 6525..6860, 6873..7204, 7373..7742		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70342	Strand	+
Start	17824	End	18205
Name	OJ000251_04.0217.C13.o2.gp	Method	AAT/GAP
Start	17824	End	18205
GI	uC-osf1cyp033a04b1	Score	667
Exons	17824..18205		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70343	Strand	+
Start	23393	End	32443
Name	OJ000251_04.0217.C13.o3.gs	Method	GENSCAN
Start	23393	End	32443
GI	none	Score	.5
Exons	23393..23678, 24090..24128, 25642..25769, 26547..26727, 26794..28719, 28840..28924, 29152..29285, 29770..31084, 31222..32443		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70343	Strand	+
Start	23393	End	32443
Name	OJ000251_04.0217.C13.o4.np	Method	AAT/NAP
Start	25549	End	30128
GI	4416301	Score	466
Exons	25549..25575, 26777..27908, 27977..28293, 30085..30128		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70343	Strand	+
Start	23393	End	32443
Name	OJ000251_04.0217.C13.o5.np	Method	AAT/NAP
Start	29183	End	32443
GI	4416302	Score	3838
Exons	29183..30698, 30759..32443		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70344	Strand	-

Start	7736	End	30524
Name	OJ000251_04.0217.C13.o6.ts	Method	TBLASTX:Soybean
Start	7725	End	7975
GI	none	Score	52
Exons	7725..7766, 7730..7975, 7803..7973		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70344	Strand	-
Start	7736	End	30524
Name	OJ000251_04.0217.C13.o1.np	Method	AAT/NAP
Start	7736	End	14011
GI	4544372	Score	1221
Exons	7736..9298, 9409..9835, 9904..10918, 13960..14011		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70344	Strand	-
Start	7736	End	30524
Name	OJ000251_04.0217.C13.o5.tw	Method	TBLASTX:Wheat
Start	7751	End	8158
GI	none	Score	65
Exons	7751..8158, 7788..7958, 8076..8150		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70344	Strand	-
Start	7736	End	30524
Name	OJ000251_04.0217.C13.o2.gs	Method	GENSCAN
Start	7865	End	16840
GI	none	Score	.54
Exons	7865..8683, 8850..9752, 9813..10551, 10557..10716, 10855..11033, 11149..11719, 11996..12341, 12582..12779, 13468..14303, 14559..14670, 15087..15148, 16360..16840		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70344	Strand	-
Start	7736	End	30524
Name	OJ000251_04.0217.C13.o2.tm	Method	TBLASTX:Maize
Start	8282	End	30468
GI	none	Score	97
Exons	8282..8410, 29772..29843, 29774..29845, 29843..30421, 29844..30464, 29844..30458, 29923..30468		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70344	Strand	-
Start	7736	End	30524
Name	OJ000251_04.0217.C13.o7.ts	Method	TBLASTX:Soybean
Start	8519	End	8801
GI	none	Score	52
Exons	8519..8629, 8520..8612, 8653..8736, 8661..8801		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70344	Strand	-
Start	7736	End	30524
Name	OJ000251_04.0217.C13.o4.tw	Method	TBLASTX:Wheat
Start	9138	End	9536
GI	none	Score	69

Exons	9138..9407, 9256..9396, 9447..9536		
Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70344	Strand	-
Start	7736	End	30524
Name	OJ000251_04.0217.C13.o3.ts	Method	TBLASTX:Soybean
Start	9171	End	9581
GI	none	Score	101
Exons	9171..9422, 9256..9423, 9444..9581, 9448..9579		
Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70344	Strand	-
Start	7736	End	30524
Name	OJ000251_04.0217.C13.o3.np	Method	AAT/NAP
Start	9389	End	22595
GI	5852180	Score	660
Exons	9389..9448, 15740..15791, 16496..16906, 16958..17075, 18054..18135, 22542..22595		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70344	Strand	-
Start	7736	End	30524
Name	OJ000251_04.0217.C13.o4.ts	Method	TBLASTX:Soybean
Start	9745	End	10202
GI	none	Score	72
Exons	9745..9876, 9762..9920, 9916..10164, 9921..10202		
Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70344	Strand	-
Start	7736	End	30524
Name	OJ000251_04.0217.C13.o6.tw	Method	TBLASTX:Wheat
Start	9819	End	10217
GI	none	Score	50
Exons	9819..9920, 9823..9894, 9882..10217, 9886..10200		
Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70344	Strand	-
Start	7736	End	30524
Name	OJ000251_04.0217.C13.o4.tm	Method	TBLASTX:Maize
Start	9888	End	10349
GI	none	Score	210
Exons	9888..10349, 9889..10197, 9987..10349		
Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70344	Strand	-
Start	7736	End	30524
Name	OJ000251_04.0217.C13.o1.tw	Method	TBLASTX:Wheat
Start	10218	End	10621
GI	none	Score	261
Exons	10218..10562, 10218..10571, 10261..10563, 10574..10621, 10575..10616		
Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70344	Strand	-
Start	7736	End	30524
Name	OJ000251_04.0217.C13.o7.tm	Method	TBLASTX:Maize

Start	10350	End	10565
GI	none	Score	220
Exons	10350..10565, 10351..10563		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70344	Strand	-
Start	7736	End	30524
Name	OJ000251_04.0217.C13.o8.ts	Method	TBLASTX:Soybean
Start	10419	End	10783
GI	none	Score	122
Exons	10419..10553, 10562..10783		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70344	Strand	-
Start	7736	End	30524
Name	OJ000251_04.0217.C13.o9.ts	Method	TBLASTX:Soybean
Start	11193	End	11531
GI	none	Score	193
Exons	11193..11531		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70344	Strand	-
Start	7736	End	30524
Name	OJ000251_04.0217.C13.o8.tm	Method	TBLASTX:Maize
Start	27087	End	27491
GI	none	Score	251
Exons	27087..27491, 27126..27350		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70344	Strand	-
Start	7736	End	30524
Name	OJ000251_04.0217.C13.o5.tm	Method	TBLASTX:Maize
Start	29376	End	29771
GI	none	Score	134
Exons	29376..29495, 29493..29771, 29493..29768, 29501..29770		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70344	Strand	-
Start	7736	End	30524
Name	OJ000251_04.0217.C13.o2.tw	Method	TBLASTX:Wheat
Start	29535	End	30107
GI	none	Score	236
Exons	29535..29765, 29537..29764, 29795..29821, 29795..29815, 29816..30058, 29823..30107, 30057..30104		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70344	Strand	-
Start	7736	End	30524
Name	OJ000251_04.0217.C13.o5.ts	Method	TBLASTX:Soybean
Start	29952	End	30413
GI	none	Score	227
Exons	29952..30263, 30312..30413		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70344	Strand	-
Start	7736	End	30524
Name	OJ000251_04.0217.C13.o8.tw	Method	TBLASTX:Wheat

Start	30195	End	30524
GI	none	Score	95
Exons	30195..30266, 30272..30421, 30285..30434, 30309..30455, 30450..30524		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70345	Strand	
Start	30780	End	31540
Name	OJ000251_04.0217.C13.o6.tm	Method	TBLASTX:Maize
Start	30780	End	31068
GI	none	Score	413
Exons	30780..31055, 30782..31063, 30784..31068		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70345	Strand	
Start	30780	End	31540
Name	OJ000251_04.0217.C13.o1.ts	Method	TBLASTX:Soybean
Start	30806	End	31413
GI	5509260	Score	243
Exons	30806..31027, 30807..31025, 30807..31037, 31032..31055, 31052..31411, 31058..31411, 31060..31413, 31066..31413		
GI Descrip.	-		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70345	Strand	
Start	30780	End	31540
Name	OJ000251_04.0217.C13.o3.tw	Method	TBLASTX:Wheat
Start	30932	End	31405
GI	none	Score	95
Exons	30932..31024, 30948..31025, 31029..31058, 31039..31386, 31058..31399, 31058..31405		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70345	Strand	
Start	30780	End	31540
Name	OJ000251_04.0217.C13.o3.tm	Method	TBLASTX:Maize
Start	31073	End	31540
GI	none	Score	614
Exons	31073..31540, 31075..31521, 31121..31537		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70346	Strand	
Start	31562	End	31765
Name	OJ000251_04.0217.C13.o9.tm	Method	TBLASTX:Maize
Start	31562	End	31765
GI	none	Score	251
Exons	31562..31765, 31582..31764		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70347	Strand	
Start	31766	End	32449
Name	OJ000251_04.0217.C13.o1.tm	Method	TBLASTX:Maize
Start	31766	End	32449
GI	none	Score	1019
Exons	31766..32449, 31774..32376, 32147..32449		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13

Gene No.	70347	Strand	
Start	31766	End	32449
Name	OJ000251_04.0217.C13.o2.ts	Method	TBLASTX:Soybean
Start	31784	End	32425
GI	none	Score	297
Exons	31784..32182, 31993..32172, 32192..32425		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70347	Strand	
Start	31766	End	32449
Name	OJ000251_04.0217.C13.o7.tw	Method	TBLASTX:Wheat
Start	31922	End	32377
GI	none	Score	126
Exons	31922..32179, 32077..32178, 32201..32377, 32207..32374, 32260..32376		

Seq. No.	33971	Seq. ID	OJ000251_04.0217.C13
Gene No.	70347	Strand	
Start	31766	End	32449
Name	OJ000251_04.0217.C13.o1.tc	Method	TBLASTX:Cress
Start	31964	End	32422
GI	none	Score	71
Exons	31964..32053, 32057..32191, 32210..32422		

Seq. No.	33972	Seq. ID	OJ000251_04.0217.C14
Gene No.	70348	Strand	+
Start	494	End	1405
Name	OJ000251_04.0217.C14.o1.gs	Method	GENSCAN
Start	494	End	1405
GI	none	Score	.62
Exons	494..682, 684..926, 1182..1405		

Seq. No.	33972	Seq. ID	OJ000251_04.0217.C14
Gene No.	70349	Strand	-
Start	1627	End	2066
Name	OJ000251_04.0217.C14.o1.np	Method	AAT/NAP
Start	1627	End	2066
GI	5295955	Score	186
Exons	1627..2066		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70350	Strand	+
Start	136	End	3254
Name	OJ000251_04.0217.C15.o1.gs	Method	GENSCAN
Start	136	End	3254
GI	none	Score	.57
Exons	136..249, 342..422, 466..655, 2284..2507, 2547..2772, 2827..3254		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70351	Strand	+
Start	6014	End	8204
Name	OJ000251_04.0217.C15.o2.gs	Method	GENSCAN
Start	6014	End	8204
GI	none	Score	.51
Exons	6014..6032, 6088..6372, 6987..7252, 7282..7450, 7999..8204		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70351	Strand	+
Start	6014	End	8204
Name	OJ000251_04.0217.C15.o2.np	Method	AAT/NAP
Start	6169	End	7995
GI	6815052	Score	407
Exons	6169..6372, 6454..6528, 7877..7995		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70352	Strand	+
Start	8688	End	9096
Name	OJ000251_04.0217.C15.o1.gp	Method	AAT/GAP
Start	8688	End	9096
GI	5816562	Score	725
Exons	8688..9096		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70353	Strand	+
Start	10142	End	13071
Name	OJ000251_04.0217.C15.o3.gs	Method	GENSCAN
Start	10142	End	13071
GI	none	Score	.85
Exons	10142..10216, 10700..11026, 11113..11405, 11482..11618, 11706..11840, 11907..12106, 12181..12370, 12430..12546, 12620..13071		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70353	Strand	+
Start	10142	End	13071
Name	OJ000251_04.0217.C15.o3.np	Method	AAT/NAP
Start	10142	End	13068
GI	6691716	Score	2446
Exons	10142..11036, 11228..11405, 11482..11582, 11661..11840, 11919..12106, 12181..12282, 12432..12546, 12620..13068		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70354	Strand	-
Start	2953	End	3289
Name	OJ000251_04.0217.C15.o1.np	Method	AAT/NAP
Start	2953	End	3289
GI	6322945	Score	59
Exons	2953..3289		
GI Descrip.	nucleolar protein that is immunologically and structurally related to rat Nopp140, a nonribosomal protein of the nucleolus and coiled bodies.; Srp40p gi|548976|sp|P32583|SR40_YEAST SUPPRESSOR PROTEIN SRP40 gi|539364|pir||S38170 SRP40 protein - yeast (Saccharomyces cerevisiae) gi|450552|emb|CAA51946| (X73541) ORF YKR412 [Saccharomyces cerevisiae] gi|486581|emb|CAA		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15

Gene No.	70355	Strand	-
Start	13437	End	19228
Name	OJ000251_04.0217.C15.o9.tw	Method	TBLASTX:Wheat
Start	10262	End	10552
GI	none	Score	215
Exons	10262..10552		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70355	Strand	-
Start	13437	End	19228
Name	OJ000251_04.0217.C15.o2.tw	Method	TBLASTX:Wheat
Start	13413	End	14027
GI	none	Score	95
Exons	13413..13544, 13536..14027, 13738..13866, 13773..13877, 13918..14007		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70355	Strand	-
Start	13437	End	19228
Name	OJ000251_04.0217.C15.o4.np	Method	AAT/NAP
Start	13437	End	19228
GI	5922631	Score	6571
Exons	13437..15964, 16571..17497, 17624..17775, 17818..18389, 18435..18619, 18878..19228		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70355	Strand	-
Start	13437	End	19228
Name	OJ000251_04.0217.C15.o4.tm	Method	TBLASTX:Maize
Start	13452	End	13715
GI	none	Score	102
Exons	13452..13553, 13453..13554, 13533..13715, 13572..13715		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70355	Strand	-
Start	13437	End	19228
Name	OJ000251_04.0217.C15.o4.gs	Method	GENSCAN
Start	13602	End	19220
GI	none	Score	.44
Exons	13602..15339, 15516..15577, 15579..15906, 16018..16482, 16579..17659, 17801..18775, 18839..19220		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70355	Strand	-
Start	13437	End	19228
Name	OJ000251_04.0217.C15.o7.tm	Method	TBLASTX:Maize
Start	13797	End	14069
GI	none	Score	92
Exons	13797..13883, 13893..13976, 13971..14069		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70355	Strand	-
Start	13437	End	19228
Name	OJ000251_04.0217.C15.o6.tw	Method	TBLASTX:Wheat
Start	14142	End	14529
GI	none	Score	117
Exons	14142..14333, 14142..14528, 14218..14529		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70355	Strand	-
Start	13437	End	19228
Name	OJ000251_04.0217.C15.o1.tm	Method	TBLASTX:Maize
Start	14172	End	14535
GI	none	Score	238
Exons	14172..14219, 14211..14534, 14212..14535		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70355	Strand	-
Start	13437	End	19228
Name	OJ000251_04.0217.C15.o10.tw	Method	TBLASTX:Wheat
Start	14532	End	14831
GI	none	Score	128
Exons	14532..14630, 14697..14831		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70355	Strand	-
Start	13437	End	19228
Name	OJ000251_04.0217.C15.o5.tw	Method	TBLASTX:Wheat
Start	14847	End	15269
GI	none	Score	231
Exons	14847..15269, 14923..15264		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70355	Strand	-
Start	13437	End	19228
Name	OJ000251_04.0217.C15.o2.ts	Method	TBLASTX:Soybean
Start	14890	End	15278
GI	none	Score	126
Exons	14890..15138, 14892..15134, 15174..15278, 15184..15270		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70355	Strand	-
Start	13437	End	19228
Name	OJ000251_04.0217.C15.o5.tm	Method	TBLASTX:Maize
Start	14943	End	15215
GI	none	Score	62
Exons	14943..15041, 14944..15009, 15045..15215, 15060..15200		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70355	Strand	-
Start	13437	End	19228
Name	OJ000251_04.0217.C15.o4.tw	Method	TBLASTX:Wheat
Start	15306	End	15738
GI	none	Score	91
Exons	15306..15734, 15526..15738		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15

Gene No.	70355	Strand	-
Start	13437	End	19228
Name	OJ000251_04.0217.C15.o2.tm	Method	TBLASTX:Maize
Start	15393	End	15837
GI	none	Score	126
Exons	15393..15419, 15417..15560, 15579..15836, 15582..15836, 15583..15837		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70355	Strand	-
Start	13437	End	19228
Name	OJ000251_04.0217.C15.o1.ts	Method	TBLASTX:Soybean
Start	15504	End	15905
GI	none	Score	164
Exons	15504..15905, 15538..15888		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70355	Strand	-
Start	13437	End	19228
Name	OJ000251_04.0217.C15.o1.tw	Method	TBLASTX:Wheat
Start	15780	End	16199
GI	none	Score	231
Exons	15780..16199, 15781..16197		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70355	Strand	-
Start	13437	End	19228
Name	OJ000251_04.0217.C15.o6.tm	Method	TBLASTX:Maize
Start	15837	End	16064
GI	none	Score	70
Exons	15837..16064, 15841..15936, 16024..16062		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70355	Strand	-
Start	13437	End	19228
Name	OJ000251_04.0217.C15.o3.tm	Method	TBLASTX:Maize
Start	16068	End	16424
GI	none	Score	186
Exons	16068..16424, 16078..16383		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70355	Strand	-
Start	13437	End	19228
Name	OJ000251_04.0217.C15.o3.ts	Method	TBLASTX:Soybean
Start	16149	End	16514
GI	none	Score	138
Exons	16149..16283, 16290..16514		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70355	Strand	-
Start	13437	End	19228
Name	OJ000251_04.0217.C15.o3.tw	Method	TBLASTX:Wheat
Start	16230	End	16589
GI	none	Score	144
Exons	16230..16574, 16230..16589, 16231..16575		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15

Gene No.	70355	Strand	-
Start	13437	End	19228
Name	OJ000251_04.0217.C15.o8.tm	Method	TBLASTX:Maize
Start	16746	End	16923
GI	none	Score	106
Exons	16746..16922, 16777..16923		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70355	Strand	-
Start	13437	End	19228
Name	OJ000251_04.0217.C15.o7.tw	Method	TBLASTX:Wheat
Start	16752	End	17231
GI	none	Score	161
Exons	16752..17006, 16774..17010, 17055..17231		

Seq. No.	33973	Seq. ID	OJ000251_04.0217.C15
Gene No.	70355	Strand	-
Start	13437	End	19228
Name	OJ000251_04.0217.C15.o8.tw	Method	TBLASTX:Wheat
Start	17811	End	18213
GI	none	Score	108
Exons	17811..18212, 17944..18213		

Seq. No.	33974	Seq. ID	OJ000251_04.0217.C16
Gene No.	70356	Strand	-
Start	95	End	2096
Name	OJ000251_04.0217.C16.o1.gs	Method	GENSCAN
Start	95	End	2096
GI	none	Score	.83
Exons	95..152, 629..746, 820..941, 984..1260, 1293..1668, 1680..1829, 1940..2096		

Seq. No.	33974	Seq. ID	OJ000251_04.0217.C16
Gene No.	70356	Strand	-
Start	95	End	2096
Name	OJ000251_04.0217.C16.o1.gp	Method	AAT/GAP
Start	108	End	517
GI	5816562	Score	736
Exons	108..517		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	33975	Seq. ID	OJ000251_04.0217.C17
Gene No.	70357	Strand	-
Start	327	End	477
Name	OJ000251_04.0217.C17.o1.np	Method	AAT/NAP
Start	327	End	477
GI	224751	Score	275
Exons	327..477		
GI Descrip.	gene N [Bacteriophage phi-80]		

Seq. No.	33976	Seq. ID	OJ000251_07.0216.C1
Gene No.	70358	Strand	-
Start	281	End	1464
Name	OJ000251_07.0216.C1.o1.gs	Method	GENSCAN
Start	281	End	1464
GI	none	Score	.71

Exons	281..394, 473..586, 870..1061, 1291..1464		
Seq. No.	33977	Seq. ID	OJ000251_07.0216.C2
Gene No.	70359	Strand	-
Start	109	End	939
Name	OJ000251_07.0216.C2.o1.gs	Method	GENSCAN
Start	109	End	939
GI	none	Score	.95
Exons	109..187, 268..939		
Seq. No.	33978	Seq. ID	OJ000251_07.0216.C4
Gene No.	70360	Strand	+
Start	4227	End	9682
Name	OJ000251_07.0216.C4.o2.np	Method	AAT/NAP
Start	4227	End	9682
GI	6498441	Score	6979
Exons	4227..5292, 5623..6086, 6149..6522, 6706..6840, 7015..7738, 7910..9307, 9401..9682		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	33978	Seq. ID	OJ000251_07.0216.C4
Gene No.	70361	Strand	-
Start	1	End	2017
Name	OJ000251_07.0216.C4.o1.np	Method	AAT/NAP
Start	1	End	2017
GI	6907089	Score	2559
Exons	1..652, 756..2017		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	33978	Seq. ID	OJ000251_07.0216.C4
Gene No.	70362	Strand	-
Start	10306	End	10927
Name	OJ000251_07.0216.C4.o6.tw	Method	TBLASTX:Wheat
Start	4379	End	4768
GI	none	Score	47
Exons	4379..4420, 4430..4528, 4447..4527, 4495..4734, 4511..4768		
Seq. No.	33978	Seq. ID	OJ000251_07.0216.C4
Gene No.	70362	Strand	-
Start	10306	End	10927
Name	OJ000251_07.0216.C4.o4.tm	Method	TBLASTX:Maize
Start	4418	End	4666
GI	none	Score	184
Exons	4418..4666, 4453..4665		
Seq. No.	33978	Seq. ID	OJ000251_07.0216.C4
Gene No.	70362	Strand	-
Start	10306	End	10927
Name	OJ000251_07.0216.C4.o3.tw	Method	TBLASTX:Wheat
Start	5507	End	5993
GI	none	Score	389
Exons	5507..5638, 5508..5993, 5702..5962		
Seq. No.	33978	Seq. ID	OJ000251_07.0216.C4
Gene No.	70362	Strand	-

Start	10306	End	10927
Name	OJ000251_07.0216.C4.o1.tw	Method	TBLASTX:Wheat
Start	6156	End	6619
GI	none	Score	215
Exons	6156..6599, 6157..6612, 6158..6619, 6158..6613		

Seq. No.	33978	Seq. ID	OJ000251_07.0216.C4
Gene No.	70362	Strand	-
Start	10306	End	10927
Name	OJ000251_07.0216.C4.o3.ts	Method	TBLASTX:Soybean
Start	6197	End	6562
GI	none	Score	106
Exons	6197..6421, 6428..6562		

Seq. No.	33978	Seq. ID	OJ000251_07.0216.C4
Gene No.	70362	Strand	-
Start	10306	End	10927
Name	OJ000251_07.0216.C4.o1.tm	Method	TBLASTX:Maize
Start	6287	End	6643
GI	none	Score	372
Exons	6287..6643, 6322..6633, 6527..6643		

Seq. No.	33978	Seq. ID	OJ000251_07.0216.C4
Gene No.	70362	Strand	-
Start	10306	End	10927
Name	OJ000251_07.0216.C4.o2.tm	Method	TBLASTX:Maize
Start	6670	End	7054
GI	none	Score	351
Exons	6670..7035, 6671..7054		

Seq. No.	33978	Seq. ID	OJ000251_07.0216.C4
Gene No.	70362	Strand	-
Start	10306	End	10927
Name	OJ000251_07.0216.C4.o2.tw	Method	TBLASTX:Wheat
Start	6727	End	7147
GI	none	Score	485
Exons	6727..7122, 6728..7147		

Seq. No.	33978	Seq. ID	OJ000251_07.0216.C4
Gene No.	70362	Strand	-
Start	10306	End	10927
Name	OJ000251_07.0216.C4.o1.ts	Method	TBLASTX:Soybean
Start	6806	End	7177
GI	none	Score	273
Exons	6806..7177, 6823..6966		

Seq. No.	33978	Seq. ID	OJ000251_07.0216.C4
Gene No.	70362	Strand	-
Start	10306	End	10927
Name	OJ000251_07.0216.C4.o5.tw	Method	TBLASTX:Wheat
Start	7586	End	8044
GI	none	Score	229
Exons	7586..7807, 7610..7834, 7675..7851, 7895..8044, 7904..8029, 7906..8043		

Seq. No.	33978	Seq. ID	OJ000251_07.0216.C4
Gene No.	70362	Strand	-

Start	10306	End	10927
Name	OJ000251_07.0216.C4.o2.ts	Method	TBLASTX:Soybean
Start	7733	End	8299
GI	5666795	Score	68
Exons	7733..7831, 7907..8044, 8099..8299		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	33978	Seq. ID	OJ000251_07.0216.C4
Gene No.	70362	Strand	-
Start	10306	End	10927
Name	OJ000251_07.0216.C4.o8.tw	Method	TBLASTX:Wheat
Start	8099	End	8359
GI	none	Score	190
Exons	8099..8359		

Seq. No.	33978	Seq. ID	OJ000251_07.0216.C4
Gene No.	70362	Strand	-
Start	10306	End	10927
Name	OJ000251_07.0216.C4.o3.tm	Method	TBLASTX:Maize
Start	8552	End	8875
GI	none	Score	339
Exons	8552..8875, 8581..8862		

Seq. No.	33978	Seq. ID	OJ000251_07.0216.C4
Gene No.	70362	Strand	-
Start	10306	End	10927
Name	OJ000251_07.0216.C4.o4.tw	Method	TBLASTX:Wheat
Start	8689	End	9070
GI	none	Score	346
Exons	8689..9039, 8690..9070		

Seq. No.	33978	Seq. ID	OJ000251_07.0216.C4
Gene No.	70362	Strand	-
Start	10306	End	10927
Name	OJ000251_07.0216.C4.o7.tw	Method	TBLASTX:Wheat
Start	9071	End	9673
GI	none	Score	269
Exons	9071..9361, 9076..9360, 9547..9669, 9548..9673		

Seq. No.	33978	Seq. ID	OJ000251_07.0216.C4
Gene No.	70362	Strand	-
Start	10306	End	10927
Name	OJ000251_07.0216.C4.o2.gs	Method	GENSCAN
Start	10306	End	10849
GI	none	Score	.95
Exons	10306..10726, 10762..10849		

Seq. No.	33978	Seq. ID	OJ000251_07.0216.C4
Gene No.	70362	Strand	-
Start	10306	End	10927
Name	OJ000251_07.0216.C4.o3.np	Method	AAT/NAP
Start	10309	End	10927
GI	6907089	Score	862
Exons	10309..10927		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	33979	Seq. ID	OJ000251_07.0216.C5

Gene No.	70363	Strand	-
Start	1	End	1350
Name	OJ000251_07.0216.C5.o1.np	Method	AAT/NAP
Start	1	End	1350
GI	4680179	Score	1533
Exons	1..1350		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33979	Seq. ID	OJ000251_07.0216.C5
Gene No.	70363	Strand	-
Start	1	End	1350
Name	OJ000251_07.0216.C5.o1.tm	Method	TBLASTX:Maize
Start	59	End	577
GI	none	Score	61
Exons	59..421, 90..203, 185..301, 240..422, 279..422, 419..577, 426..572		

Seq. No.	33979	Seq. ID	OJ000251_07.0216.C5
Gene No.	70363	Strand	-
Start	1	End	1350
Name	OJ000251_07.0216.C5.o1.tw	Method	TBLASTX:Wheat
Start	134	End	758
GI	none	Score	257
Exons	134..664, 258..665, 672..758		

Seq. No.	33979	Seq. ID	OJ000251_07.0216.C5
Gene No.	70363	Strand	-
Start	1	End	1350
Name	OJ000251_07.0216.C5.o2.tm	Method	TBLASTX:Maize
Start	699	End	958
GI	none	Score	134
Exons	699..956, 708..956, 727..957, 767..958		

Seq. No.	33979	Seq. ID	OJ000251_07.0216.C5
Gene No.	70363	Strand	-
Start	1	End	1350
Name	OJ000251_07.0216.C5.o1.ts	Method	TBLASTX:Soybean
Start	717	End	972
GI	none	Score	74
Exons	717..845, 717..965, 727..972		

Seq. No.	33979	Seq. ID	OJ000251_07.0216.C5
Gene No.	70363	Strand	-
Start	1	End	1350
Name	OJ000251_07.0216.C5.o1.tc	Method	TBLASTX:Cress
Start	741	End	1058
GI	none	Score	96
Exons	741..884, 757..882, 885..1037, 885..1058		

Seq. No.	33979	Seq. ID	OJ000251_07.0216.C5
Gene No.	70363	Strand	-
Start	1	End	1350
Name	OJ000251_07.0216.C5.o2.tw	Method	TBLASTX:Wheat
Start	765	End	1289
GI	none	Score	262
Exons	765..1289, 769..1137		

Seq. No.	33980	Seq. ID	OJ000251_07.0216.C6
Gene No.	70364	Strand	-
Start	1	End	2652
Name	OJ000251_07.0216.C6.o1.np	Method	AAT/NAP
Start	1	End	2652
GI	4680179	Score	2258
Exons	1..1818, 1921..1969, 2545..2652		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	33980	Seq. ID	OJ000251_07.0216.C6
Gene No.	70364	Strand	-
Start	1	End	2652
Name	OJ000251_07.0216.C6.o1.tw	Method	TBLASTX:Wheat
Start	20	End	433
GI	none	Score	330
Exons	20..433, 39..410		

Seq. No.	33980	Seq. ID	OJ000251_07.0216.C6
Gene No.	70364	Strand	-
Start	1	End	2652
Name	OJ000251_07.0216.C6.o1.tm	Method	TBLASTX:Maize
Start	92	End	518
GI	none	Score	222
Exons	92..517, 105..518		

Seq. No.	33980	Seq. ID	OJ000251_07.0216.C6
Gene No.	70364	Strand	-
Start	1	End	2652
Name	OJ000251_07.0216.C6.o2.ts	Method	TBLASTX:Soybean
Start	152	End	397
GI	none	Score	213
Exons	152..397		

Seq. No.	33980	Seq. ID	OJ000251_07.0216.C6
Gene No.	70364	Strand	-
Start	1	End	2652
Name	OJ000251_07.0216.C6.o1.ts	Method	TBLASTX:Soybean
Start	419	End	814
GI	none	Score	146
Exons	419..778, 447..662, 702..776, 782..814		

Seq. No.	33980	Seq. ID	OJ000251_07.0216.C6
Gene No.	70364	Strand	-
Start	1	End	2652
Name	OJ000251_07.0216.C6.o3.tw	Method	TBLASTX:Wheat
Start	434	End	706
GI	none	Score	195
Exons	434..706, 435..662, 440..706		

Seq. No.	33980	Seq. ID	OJ000251_07.0216.C6
Gene No.	70364	Strand	-
Start	1	End	2652
Name	OJ000251_07.0216.C6.o4.tm	Method	TBLASTX:Maize
Start	539	End	700
GI	none	Score	180
Exons	539..700		

Seq. No.	33980	Seq. ID	OJ000251_07.0216.C6
Gene No.	70364	Strand	-
Start	1	End	2652
Name	OJ000251_07.0216.C6.o2.tm	Method	TBLASTX:Maize
Start	701	End	1168
GI	none	Score	123
Exons	701..1168, 738..1094		

Seq. No.	33980	Seq. ID	OJ000251_07.0216.C6
Gene No.	70364	Strand	-
Start	1	End	2652
Name	OJ000251_07.0216.C6.o2.tw	Method	TBLASTX:Wheat
Start	755	End	1238
GI	none	Score	170
Exons	755..1237, 764..1210, 789..1238		

Seq. No.	33980	Seq. ID	OJ000251_07.0216.C6
Gene No.	70364	Strand	-
Start	1	End	2652
Name	OJ000251_07.0216.C6.o3.tm	Method	TBLASTX:Maize
Start	1169	End	1366
GI	none	Score	162
Exons	1169..1366, 1170..1316		

Seq. No.	33980	Seq. ID	OJ000251_07.0216.C6
Gene No.	70364	Strand	-
Start	1	End	2652
Name	OJ000251_07.0216.C6.o4.tw	Method	TBLASTX:Wheat
Start	1523	End	1969
GI	none	Score	95
Exons	1523..1798, 1629..1739, 1916..1969		

Seq. No.	33981	Seq. ID	OJ000251_07.0216.C7
Gene No.	70365	Strand	+
Start	2198	End	2463
Name	OJ000251_07.0216.C7.o2.gp	Method	AAT/GAP
Start	2198	End	2463
GI	61605_3.R1084	Score	443
Exons	2198..2463		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	33981	Seq. ID	OJ000251_07.0216.C7
Gene No.	70366	Strand	+
Start	6225	End	7649
Name	OJ000251_07.0216.C7.o4.np	Method	AAT/NAP
Start	6225	End	7649
GI	6907088	Score	1174
Exons	6225..6362, 6538..6777, 7264..7649		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	33981	Seq. ID	OJ000251_07.0216.C7
Gene No.	70367	Strand	-
Start	1	End	11527
Name	OJ000251_07.0216.C7.o2.np	Method	AAT/NAP
Start	1	End	3769
GI	4539660	Score	354

Exons	1..61, 2507..2927, 3345..3769		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	33981	Seq. ID	OJ000251_07.0216.C7
Gene No.	70367	Strand	-
Start	1	End	11527
Name	OJ000251_07.0216.C7.o1.np	Method	AAT/NAP
Start	477	End	11527
GI	5852180	Score	363
Exons	477..851, 1847..1923, 11459..11527		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	33981	Seq. ID	OJ000251_07.0216.C7
Gene No.	70367	Strand	-
Start	1	End	11527
Name	OJ000251_07.0216.C7.o1.gp	Method	AAT/GAP
Start	1228	End	1746
GI	uC-osf1M202048c12b1	Score	835
Exons	1228..1746		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	33981	Seq. ID	OJ000251_07.0216.C7
Gene No.	70367	Strand	-
Start	1	End	11527
Name	OJ000251_07.0216.C7.o1.tm	Method	TBLASTX:Maize
Start	2591	End	3310
GI	none	Score	91
Exons	2591..2890, 3079..3180, 3182..3310		

Seq. No.	33981	Seq. ID	OJ000251_07.0216.C7
Gene No.	70367	Strand	-
Start	1	End	11527
Name	OJ000251_07.0216.C7.o1.tw	Method	TBLASTX:Wheat
Start	2771	End	3556
GI	none	Score	60
Exons	2771..3004, 3191..3556, 3450..3551		

Seq. No.	33981	Seq. ID	OJ000251_07.0216.C7
Gene No.	70367	Strand	-
Start	1	End	11527
Name	OJ000251_07.0216.C7.o3.np	Method	AAT/NAP
Start	4278	End	5059
GI	6002794	Score	1261
Exons	4278..5059		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	33981	Seq. ID	OJ000251_07.0216.C7
Gene No.	70367	Strand	-
Start	1	End	11527
Name	OJ000251_07.0216.C7.o4.gs	Method	GENSCAN
Start	10746	End	10994
GI	none	Score	.75
Exons	10746..10994		

Seq. No.	33982	Seq. ID	OJ000251_07.0216.C8
Gene No.	70368	Strand	+

Start	1	End	2434
Name	OJ000251_07.0216.C8.o1.np	Method	AAT/NAP
Start	1	End	2434
GI	5852181	Score	126
Exons	1..188, 2170..2434		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	33982	Seq. ID	OJ000251_07.0216.C8
Gene No.	70368	Strand	+
Start	1	End	2434
Name	OJ000251_07.0216.C8.o1.gs	Method	GENSCAN
Start	63	End	440
GI	none	Score	.88
Exons	63..217, 295..440		

Seq. No.	33982	Seq. ID	OJ000251_07.0216.C8
Gene No.	70369	Strand	-
Start	1566	End	2398
Name	OJ000251_07.0216.C8.o2.gs	Method	GENSCAN
Start	1566	End	2398
GI	none	Score	.7
Exons	1566..1754, 2243..2398		

Seq. No.	33983	Seq. ID	OJ000251_07.0216.C9
Gene No.	70370	Strand	-
Start	1386	End	2531
Name	OJ000251_07.0216.C9.o1.gs	Method	GENSCAN
Start	1386	End	2531
GI	none	Score	.52
Exons	1386..1480, 2146..2197, 2526..2531		

Seq. No.	33984	Seq. ID	OJ000251_07.0216.C10
Gene No.	70371	Strand	+
Start	114	End	2713
Name	OJ000251_07.0216.C10.o1.gs	Method	GENSCAN
Start	114	End	2713
GI	none	Score	.92
Exons	114..163, 1851..1968, 2413..2470, 2508..2713		

Seq. No.	33984	Seq. ID	OJ000251_07.0216.C10
Gene No.	70372	Strand	+
Start	3338	End	5743
Name	OJ000251_07.0216.C10.o1.gp	Method	AAT/GAP
Start	3273	End	4408
GI	331_10.R1084	Score	1390
Exons	3273..3401, 3815..4408		
GI Descrip.	'3915102/sp|Q40901|THG_PETIN 7.0e-10 GAMMA-THIONIN HOMOLOG PPT PRECURSOR >gi_1076652_pir__S52634 gamma-thionin - Petunia inflata >gi_499655 (L27173) gamma-thionin homolog [Petunia inflata]'		

Seq. No.	33984	Seq. ID	OJ000251_07.0216.C10
Gene No.	70372	Strand	+
Start	3338	End	5743
Name	OJ000251_07.0216.C10.o2.gs	Method	GENSCAN
Start	3338	End	5743
GI	none	Score	.74

Exons	3338..3401, 3815..3909, 5351..5743		
Seq. No.	33984	Seq. ID	OJ000251_07.0216.C10
Gene No.	70372	Strand	+
Start	3338	End	5743
Name	OJ000251_07.0216.C10.o2.np	Method	AAT/NAP
Start	3338	End	3984
GI	322571	Score	159
Exons	3338..3407, 3824..3984		
GI Descrip.	proteinase inhibitor II - Arabidopsis thaliana gi|16427|emb|CAA48892| (X69139) protease inhibitor II [Arabidopsis thaliana] gi|4038041|gb|AAC97223.1| (AC005936) protease inhibitor II [Arabidopsis thaliana]		
Seq. No.	33984	Seq. ID	OJ000251_07.0216.C10
Gene No.	70373	Strand	-
Start	640	End	4451
Name	OJ000251_07.0216.C10.o1.np	Method	AAT/NAP
Start	640	End	4451
GI	3510251	Score	105
Exons	640..667, 2563..2789, 4422..4451		
GI Descrip.	(AC005310) unknown protein [Arabidopsis thaliana]		
Seq. No.	33984	Seq. ID	OJ000251_07.0216.C10
Gene No.	70374	Strand	-
Start	7719	End	11497
Name	OJ000251_07.0216.C10.o1.tm	Method	TBLASTX:Maize
Start	3793	End	3997
GI	none	Score	187
Exons	3793..3987, 3843..3986, 3862..3987, 3884..3997		
Seq. No.	33984	Seq. ID	OJ000251_07.0216.C10
Gene No.	70374	Strand	-
Start	7719	End	11497
Name	OJ000251_07.0216.C10.o3.gs	Method	GENSCAN
Start	7719	End	10629
GI	none	Score	.55
Exons	7719..7949, 10357..10629		
Seq. No.	33984	Seq. ID	OJ000251_07.0216.C10
Gene No.	70374	Strand	-
Start	7719	End	11497
Name	OJ000251_07.0216.C10.o2.gp	Method	AAT/GAP
Start	9847	End	11497
GI	2315_5.R1084	Score	446
Exons	9847..10098, 11437..11497		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	33985	Seq. ID	OJ000251_07.0216.C11
Gene No.	70375	Strand	-
Start	233	End	1058
Name	OJ000251_07.0216.C11.o1.gp	Method	AAT/GAP
Start	233	End	504
GI	2315_5.R1084	Score	319
Exons	233..348, 426..504		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic		

DNA, chromosome 1, clone:P0711E10'

Seq. No.	33985	Seq. ID	OJ000251_07.0216.C11
Gene No.	70375	Strand	-
Start	233	End	1058
Name	OJ000251_07.0216.C11.o1.gs	Method	GENSCAN
Start	237	End	1058
GI	none	Score	.97
Exons	237..348, 426..1058		

Seq. No.	33985	Seq. ID	OJ000251_07.0216.C11
Gene No.	70375	Strand	-
Start	233	End	1058
Name	OJ000251_07.0216.C11.o2.gp	Method	AAT/GAP
Start	426	End	918
GI	18284_1.R1084	Score	700
Exons	426..918		
GI Descrip.	'416316/gb|U03445|PRS405 4.0e-20 Yeast integrative vector pRS405 with LEU2 marker, complete sequence'		

Seq. No.	33986	Seq. ID	OJ000251_07.0216.C13
Gene No.	70376	Strand	-
Start	320	End	448
Name	OJ000251_07.0216.C13.o1.gs	Method	GENSCAN
Start	320	End	448
GI	none	Score	.45
Exons	320..448		

Seq. No.	33987	Seq. ID	OJ000251_07.0216.C16
Gene No.	70377	Strand	+
Start	70	End	590
Name	OJ000251_07.0216.C16.o1.gs	Method	GENSCAN
Start	70	End	590
GI	none	Score	.97
Exons	70..79, 517..590		

Seq. No.	33988	Seq. ID	OJ000251_07.0216.C17
Gene No.	70378	Strand	-
Start	231	End	339
Name	OJ000251_07.0216.C17.o1.gs	Method	GENSCAN
Start	231	End	339
GI	none	Score	.42
Exons	231..339		

Seq. No.	33989	Seq. ID	OJ000251_07.0216.C19
Gene No.	70379	Strand	-
Start	1	End	2031
Name	OJ000251_07.0216.C19.o1.np	Method	AAT/NAP
Start	1	End	2031
GI	4234852	Score	1695
Exons	1..1848, 1891..2031		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	33989	Seq. ID	OJ000251_07.0216.C19
Gene No.	70379	Strand	-
Start	1	End	2031
Name	OJ000251_07.0216.C19.o1.tw	Method	TBLASTX:Wheat

Start	7	End	566
GI	none	Score	90
Exons	7..300, 17..277, 338..565, 348..566		

Seq. No.	33989	Seq. ID	OJ000251_07.0216.C19
Gene No.	70379	Strand	-
Start	1	End	2031
Name	OJ000251_07.0216.C19.o2.ts	Method	TBLASTX:Soybean
Start	22	End	300
GI	none	Score	80
Exons	22..87, 91..300, 119..298		

Seq. No.	33989	Seq. ID	OJ000251_07.0216.C19
Gene No.	70379	Strand	-
Start	1	End	2031
Name	OJ000251_07.0216.C19.o2.tm	Method	TBLASTX:Maize
Start	106	End	577
GI	none	Score	81
Exons	106..291, 128..289, 350..577		

Seq. No.	33989	Seq. ID	OJ000251_07.0216.C19
Gene No.	70379	Strand	-
Start	1	End	2031
Name	OJ000251_07.0216.C19.o1.ts	Method	TBLASTX:Soybean
Start	356	End	742
GI	none	Score	48
Exons	356..742, 371..484, 525..731		

Seq. No.	33989	Seq. ID	OJ000251_07.0216.C19
Gene No.	70379	Strand	-
Start	1	End	2031
Name	OJ000251_07.0216.C19.o1.gs	Method	GENSCAN
Start	368	End	1901
GI	none	Score	.53
Exons	368..518, 873..1163, 1443..1656, 1680..1901		

Seq. No.	33989	Seq. ID	OJ000251_07.0216.C19
Gene No.	70379	Strand	-
Start	1	End	2031
Name	OJ000251_07.0216.C19.o3.tm	Method	TBLASTX:Maize
Start	879	End	1061
GI	none	Score	108
Exons	879..1061, 881..1060		

Seq. No.	33989	Seq. ID	OJ000251_07.0216.C19
Gene No.	70379	Strand	-
Start	1	End	2031
Name	OJ000251_07.0216.C19.o1.tm	Method	TBLASTX:Maize
Start	1065	End	1939
GI	none	Score	47
Exons	1065..1112, 1217..1306, 1236..1277, 1391..1630, 1401..1631, 1409..1642, 1622..1939, 1633..1938		

Seq. No.	33990	Seq. ID	OJ000251_07.0216.C20
Gene No.	70380	Strand	-
Start	1209	End	2031
Name	OJ000251_07.0216.C20.o1.gs	Method	GENSCAN

Start	1209	End	1965
GI	none	Score	.9
Exons	1209..1965		

Seq. No.	33990	Seq. ID	OJ000251_07.0216.C20
Gene No.	70380	Strand	-
Start	1209	End	2031
Name	OJ000251_07.0216.C20.o1.np	Method	AAT/NAP
Start	1254	End	2031
GI	6466937	Score	315
Exons	1254..2031		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	33990	Seq. ID	OJ000251_07.0216.C20
Gene No.	70380	Strand	-
Start	1209	End	2031
Name	OJ000251_07.0216.C20.o1.tm	Method	TBLASTX:Maize
Start	1428	End	1995
GI	none	Score	127
Exons	1428..1694, 1428..1529, 1435..1623, 1520..1648, 1596..1712, 1597..1701, 1833..1994, 1837..1995		

Seq. No.	33991	Seq. ID	OJ000251_07.0216.C21
Gene No.	70381	Strand	-
Start	1	End	2306
Name	OJ000251_07.0216.C21.o1.np	Method	AAT/NAP
Start	1	End	2124
GI	6466937	Score	1817
Exons	1..2124		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	33991	Seq. ID	OJ000251_07.0216.C21
Gene No.	70381	Strand	-
Start	1	End	2306
Name	OJ000251_07.0216.C21.o3.tw	Method	TBLASTX:Wheat
Start	1	End	318
GI	none	Score	90
Exons	1..318, 110..238		

Seq. No.	33991	Seq. ID	OJ000251_07.0216.C21
Gene No.	70381	Strand	-
Start	1	End	2306
Name	OJ000251_07.0216.C21.o3.tm	Method	TBLASTX:Maize
Start	1	End	502
GI	none	Score	186
Exons	1..396, 2..502		

Seq. No.	33991	Seq. ID	OJ000251_07.0216.C21
Gene No.	70381	Strand	-
Start	1	End	2306
Name	OJ000251_07.0216.C21.o1.gs	Method	GENSCAN
Start	76	End	2306
GI	none	Score	.96
Exons	76..2306		

Seq. No.	33991	Seq. ID	OJ000251_07.0216.C21
Gene No.	70381	Strand	-
Start	1	End	2306
Name	OJ000251_07.0216.C21.o2.ts	Method	TBLASTX:Soybean
Start	166	End	502
GI	none	Score	136
Exons	166..399, 191..502, 448..489		

Seq. No.	33991	Seq. ID	OJ000251_07.0216.C21
Gene No.	70381	Strand	-
Start	1	End	2306
Name	OJ000251_07.0216.C21.o1.gp	Method	AAT/GAP
Start	223	End	723
GI	uC-osf1cyp034h11b1	Score	994
Exons	223..723		
GI Descrip.	'4581164/gb|AAD24647.1|AC006220_3 2.0e-21 (AC006220) putative polyprotein [Arabidopsis thaliana]'		

Seq. No.	33991	Seq. ID	OJ000251_07.0216.C21
Gene No.	70381	Strand	-
Start	1	End	2306
Name	OJ000251_07.0216.C21.o4.tm	Method	TBLASTX:Maize
Start	532	End	880
GI	none	Score	113
Exons	532..876, 560..880		

Seq. No.	33991	Seq. ID	OJ000251_07.0216.C21
Gene No.	70381	Strand	-
Start	1	End	2306
Name	OJ000251_07.0216.C21.o4.tw	Method	TBLASTX:Wheat
Start	784	End	1134
GI	none	Score	207
Exons	784..1134		

Seq. No.	33991	Seq. ID	OJ000251_07.0216.C21
Gene No.	70381	Strand	-
Start	1	End	2306
Name	OJ000251_07.0216.C21.o3.ts	Method	TBLASTX:Soybean
Start	979	End	1200
GI	none	Score	182
Exons	979..1200		

Seq. No.	33991	Seq. ID	OJ000251_07.0216.C21
Gene No.	70381	Strand	-
Start	1	End	2306
Name	OJ000251_07.0216.C21.o1.tm	Method	TBLASTX:Maize
Start	985	End	1509
GI	none	Score	93
Exons	985..1269, 1076..1195, 1250..1489, 1258..1509		

Seq. No.	33991	Seq. ID	OJ000251_07.0216.C21
Gene No.	70381	Strand	-
Start	1	End	2306
Name	OJ000251_07.0216.C21.o2.tw	Method	TBLASTX:Wheat
Start	1135	End	1533
GI	none	Score	60
Exons	1135..1269, 1255..1443, 1255..1533		

Seq. No.	33991	Seq. ID	OJ000251_07.0216.C21
Gene No.	70381	Strand	-
Start	1	End	2306
Name	OJ000251_07.0216.C21.o1.ts	Method	TBLASTX:Soybean
Start	1255	End	1572
GI	none	Score	82
Exons	1255..1572, 1256..1486		

Seq. No.	33991	Seq. ID	OJ000251_07.0216.C21
Gene No.	70381	Strand	-
Start	1	End	2306
Name	OJ000251_07.0216.C21.o2.tm	Method	TBLASTX:Maize
Start	1528	End	2001
GI	none	Score	81
Exons	1528..1812, 1541..1735, 1798..2001, 1798..2001		

Seq. No.	33991	Seq. ID	OJ000251_07.0216.C21
Gene No.	70381	Strand	-
Start	1	End	2306
Name	OJ000251_07.0216.C21.o1.tw	Method	TBLASTX:Wheat
Start	1585	End	2052
GI	none	Score	99
Exons	1585..1809, 1624..1806, 1625..1819, 1798..1944, 1798..2052		

Seq. No.	33991	Seq. ID	OJ000251_07.0216.C21
Gene No.	70381	Strand	-
Start	1	End	2306
Name	OJ000251_07.0216.C21.o4.ts	Method	TBLASTX:Soybean
Start	1714	End	2016
GI	none	Score	115
Exons	1714..1812, 1807..2016		

Seq. No.	33992	Seq. ID	OJ000251_07.0216.C22
Gene No.	70382	Strand	+
Start	2573	End	5865
Name	OJ000251_07.0216.C22.o2.gs	Method	GENSCAN
Start	2573	End	5865
GI	none	Score	.42
Exons	2573..2621, 3749..3920, 5613..5865		

Seq. No.	33992	Seq. ID	OJ000251_07.0216.C22
Gene No.	70383	Strand	-
Start	7	End	1912
Name	OJ000251_07.0216.C22.o1.gs	Method	GENSCAN
Start	7	End	1912
GI	none	Score	.51
Exons	7..1527, 1846..1912		

Seq. No.	33992	Seq. ID	OJ000251_07.0216.C22
Gene No.	70383	Strand	-
Start	7	End	1912
Name	OJ000251_07.0216.C22.o1.tm	Method	TBLASTX:Maize
Start	1013	End	1414
GI	none	Score	228
Exons	1013..1288, 1014..1238, 1022..1279, 1294..1341, 1301..1414, 1304..1348		

Seq. No.	33993	Seq. ID	OJ000251_07.0216.C23
Gene No.	70384	Strand	+
Start	306	End	1559
Name	OJ000251_07.0216.C23.o1.gs	Method	GENSCAN
Start	306	End	1559
GI	none	Score	.62
Exons	306..490, 1351..1559		

Seq. No.	33993	Seq. ID	OJ000251_07.0216.C23
Gene No.	70385	Strand	-
Start	1643	End	1868
Name	OJ000251_07.0216.C23.o1.gp	Method	AAT/GAP
Start	1643	End	1868
GI	LIB3434-038-P1-K1-F1	Score	360
Exons	1643..1868		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	33994	Seq. ID	OJ000251_07.0216.C24
Gene No.	70386	Strand	-
Start	1	End	1472
Name	OJ000251_07.0216.C24.o1.np	Method	AAT/NAP
Start	1	End	1434
GI	4388818	Score	496
Exons	1..1434		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	33994	Seq. ID	OJ000251_07.0216.C24
Gene No.	70386	Strand	-
Start	1	End	1472
Name	OJ000251_07.0216.C24.o1.gs	Method	GENSCAN
Start	76	End	1472
GI	none	Score	.61
Exons	76..460, 482..1132, 1302..1472		

Seq. No.	33994	Seq. ID	OJ000251_07.0216.C24
Gene No.	70386	Strand	-
Start	1	End	1472
Name	OJ000251_07.0216.C24.o1.tw	Method	TBLASTX:Wheat
Start	706	End	1127
GI	none	Score	40
Exons	706..789, 757..798, 824..895, 884..985, 896..952, 980..1126, 981..1127		

Seq. No.	33995	Seq. ID	OJ000251_07.0216.C25
Gene No.	70387	Strand	+
Start	589	End	691
Name	OJ000251_07.0216.C25.o1.gs	Method	GENSCAN
Start	589	End	691
GI	none	Score	.94
Exons	589..691		

Seq. No.	33996	Seq. ID	OJ000251_07.0216.C26
Gene No.	70388	Strand	-
Start	1	End	579

Name	OJ000251_07.0216.C26.o1.np	Method	AAT/NAP
Start	1	End	579
GI	5042454	Score	401
Exons	1..579		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	33996	Seq. ID	OJ000251_07.0216.C26
Gene No.	70388	Strand	-
Start	1	End	579
Name	OJ000251_07.0216.C26.o1.gs	Method	GENSCAN
Start	91	End	357
GI	none	Score	.8
Exons	91..357		

Seq. No.	33997	Seq. ID	OJ000251_07.0216.C27
Gene No.	70389	Strand	+
Start	103	End	623
Name	OJ000251_07.0216.C27.o1.gs	Method	GENSCAN
Start	103	End	623
GI	none	Score	.95
Exons	103..112, 550..623		

Seq. No.	33998	Seq. ID	OJ000251_07.0216.C28
Gene No.	70390	Strand	-
Start	307	End	813
Name	OJ000251_07.0216.C28.o1.gs	Method	GENSCAN
Start	307	End	813
GI	none	Score	.75
Exons	307..479, 510..813		

Seq. No.	33999	Seq. ID	OJ000251_07.0216.C29
Gene No.	70391	Strand	+
Start	332	End	458
Name	OJ000251_07.0216.C29.o1.gs	Method	GENSCAN
Start	332	End	458
GI	none	Score	.79
Exons	332..458		

Seq. No.	34000	Seq. ID	OJ000251_07.0216.C30
Gene No.	70392	Strand	+
Start	2328	End	6879
Name	OJ000251_07.0216.C30.o1.np	Method	AAT/NAP
Start	2328	End	6879
GI	3063699	Score	115
Exons	2328..2745, 3013..3172, 6829..6879		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		

Seq. No.	34000	Seq. ID	OJ000251_07.0216.C30
Gene No.	70393	Strand	-
Start	4372	End	6879
Name	OJ000251_07.0216.C30.o2.np	Method	AAT/NAP
Start	4372	End	6879
GI	4234852	Score	2112
Exons	4372..6451, 6819..6879		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	34000	Seq. ID	OJ000251_07.0216.C30

Gene No.	70393	Strand	-
Start	4372	End	6879
Name	OJ000251_07.0216.C30.o2.tw	Method	TBLASTX:Wheat
Start	4423	End	4853
GI	none	Score	113
Exons	4423..4818, 4589..4822, 4635..4853		

Seq. No.	34000	Seq. ID	OJ000251_07.0216.C30
Gene No.	70393	Strand	-
Start	4372	End	6879
Name	OJ000251_07.0216.C30.o2.tm	Method	TBLASTX:Maize
Start	4869	End	5166
GI	none	Score	107
Exons	4869..5024, 4870..5025, 5005..5166		

Seq. No.	34000	Seq. ID	OJ000251_07.0216.C30
Gene No.	70393	Strand	-
Start	4372	End	6879
Name	OJ000251_07.0216.C30.o1.tw	Method	TBLASTX:Wheat
Start	4965	End	5746
GI	none	Score	110
Exons	4965..5063, 5032..5415, 5129..5416, 5399..5746, 5401..5745		

Seq. No.	34000	Seq. ID	OJ000251_07.0216.C30
Gene No.	70393	Strand	-
Start	4372	End	6879
Name	OJ000251_07.0216.C30.o3.tm	Method	TBLASTX:Maize
Start	5212	End	5565
GI	none	Score	181
Exons	5212..5565		

Seq. No.	34000	Seq. ID	OJ000251_07.0216.C30
Gene No.	70393	Strand	-
Start	4372	End	6879
Name	OJ000251_07.0216.C30.o1.ts	Method	TBLASTX:Soybean
Start	5437	End	5875
GI	5509260	Score	125
Exons	5437..5805, 5513..5785, 5801..5875		
GI Descrip.	-		

Seq. No.	34000	Seq. ID	OJ000251_07.0216.C30
Gene No.	70393	Strand	-
Start	4372	End	6879
Name	OJ000251_07.0216.C30.o2.gs	Method	GENSCAN
Start	5443	End	6449
GI	none	Score	.58
Exons	5443..5635, 6272..6449		

Seq. No.	34000	Seq. ID	OJ000251_07.0216.C30
Gene No.	70393	Strand	-
Start	4372	End	6879
Name	OJ000251_07.0216.C30.o1.tc	Method	TBLASTX:Cress
Start	5545	End	5787
GI	none	Score	99
Exons	5545..5787, 5549..5785		

Seq. No.	34000	Seq. ID	OJ000251_07.0216.C30

Gene No.	70393	Strand	-
Start	4372	End	6879
Name	OJ000251_07.0216.C30.o1.tm	Method	TBLASTX:Maize
Start	5569	End	5875
GI	none	Score	124
Exons	5569..5811, 5570..5809, 5804..5875		

Seq. No.	34001	Seq. ID	OJ000251_07.0216.C31
Gene No.	70394	Strand	+
Start	267	End	529
Name	OJ000251_07.0216.C31.o1.gs	Method	GENSCAN
Start	267	End	529
GI	none	Score	.54
Exons	267..529		

Seq. No.	34002	Seq. ID	OJ000251_07.0216.C32
Gene No.	70395	Strand	-
Start	92	End	313
Name	OJ000251_07.0216.C32.o1.gs	Method	GENSCAN
Start	92	End	313
GI	none	Score	.63
Exons	92..194, 261..313		

Seq. No.	34003	Seq. ID	OJ000251_07.0216.C34
Gene No.	70396	Strand	-
Start	452	End	1101
Name	OJ000251_07.0216.C34.o1.np	Method	AAT/NAP
Start	452	End	1101
GI	4680179	Score	719
Exons	452..1101		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	34003	Seq. ID	OJ000251_07.0216.C34
Gene No.	70396	Strand	-
Start	452	End	1101
Name	OJ000251_07.0216.C34.o1.gs	Method	GENSCAN
Start	481	End	858
GI	none	Score	.48
Exons	481..858		

Seq. No.	34003	Seq. ID	OJ000251_07.0216.C34
Gene No.	70396	Strand	-
Start	452	End	1101
Name	OJ000251_07.0216.C34.o1.tw	Method	TBLASTX:Wheat
Start	496	End	918
GI	none	Score	169
Exons	496..918, 517..861, 809..898		

Seq. No.	34003	Seq. ID	OJ000251_07.0216.C34
Gene No.	70396	Strand	-
Start	452	End	1101
Name	OJ000251_07.0216.C34.o2.tm	Method	TBLASTX:Maize
Start	511	End	672
GI	none	Score	54
Exons	511..669, 513..596, 514..672		

Seq. No.	34003	Seq. ID	OJ000251_07.0216.C34

Gene No.	70396	Strand	-
Start	452	End	1101
Name	OJ000251_07.0216.C34.o1.tm	Method	TBLASTX:Maize
Start	679	End	1101
GI	none	Score	64
Exons	679..774, 679..1101, 689..898, 880..996, 974..1099		

Seq. No.	34004	Seq. ID	OJ000251_07.0216.C36
Gene No.	70397	Strand	-
Start	39	End	116
Name	OJ000251_07.0216.C36.o1.gs	Method	GENSCAN
Start	39	End	116
GI	none	Score	.67
Exons	39..116		

Seq. No.	34005	Seq. ID	OJ000251_07.0216.C38
Gene No.	70398	Strand	+
Start	194	End	359
Name	OJ000251_07.0216.C38.o1.gs	Method	GENSCAN
Start	194	End	359
GI	none	Score	.46
Exons	194..359		

Seq. No.	34006	Seq. ID	OJ000251_07.0216.C40
Gene No.	70399	Strand	-
Start	212	End	435
Name	OJ000251_07.0216.C40.o1.gs	Method	GENSCAN
Start	212	End	358
GI	none	Score	.75
Exons	212..358		

Seq. No.	34006	Seq. ID	OJ000251_07.0216.C40
Gene No.	70399	Strand	-
Start	212	End	435
Name	OJ000251_07.0216.C40.o1.np	Method	AAT/NAP
Start	215	End	435
GI	6907089	Score	251
Exons	215..435		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	34007	Seq. ID	OJ000251_07.0216.C43
Gene No.	70400	Strand	+
Start	156	End	502
Name	OJ000251_07.0216.C43.o1.gs	Method	GENSCAN
Start	156	End	502
GI	none	Score	.93
Exons	156..215, 402..502		

Seq. No.	34007	Seq. ID	OJ000251_07.0216.C43
Gene No.	70401	Strand	-
Start	1	End	614
Name	OJ000251_07.0216.C43.o1.np	Method	AAT/NAP
Start	1	End	614
GI	4234852	Score	274
Exons	1..614		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	34008	Seq. ID	OJ000251_07.0216.C45
Gene No.	70402	Strand	-
Start	1	End	571
Name	OJ000251_07.0216.C45.o1.np	Method	AAT/NAP
Start	1	End	571
GI	4234846	Score	359
Exons	1..571		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		

Seq. No.	34008	Seq. ID	OJ000251_07.0216.C45
Gene No.	70402	Strand	-
Start	1	End	571
Name	OJ000251_07.0216.C45.o1.gs	Method	GENSCAN
Start	89	End	513
GI	none	Score	.88
Exons	89..379, 432..513		

Seq. No.	34008	Seq. ID	OJ000251_07.0216.C45
Gene No.	70402	Strand	-
Start	1	End	571
Name	OJ000251_07.0216.C45.o1.tm	Method	TBLASTX:Maize
Start	95	End	297
GI	none	Score	108
Exons	95..277, 97..297		

Seq. No.	34009	Seq. ID	OJ000251_07.0216.C47
Gene No.	70403	Strand	+
Start	48	End	178
Name	OJ000251_07.0216.C47.o1.gs	Method	GENSCAN
Start	48	End	178
GI	none	Score	.86
Exons	48..178		

Seq. No.	34010	Seq. ID	OJ000251_07.0216.C48
Gene No.	70404	Strand	-
Start	58	End	225
Name	OJ000251_07.0216.C48.o1.gs	Method	GENSCAN
Start	58	End	225
GI	none	Score	.81
Exons	58..225		

Seq. No.	34011	Seq. ID	OJ000251_07.0216.C49
Gene No.	70405	Strand	+
Start	221	End	2891
Name	OJ000251_07.0216.C49.o1.gs	Method	GENSCAN
Start	221	End	2545
GI	none	Score	.55
Exons	221..383, 1089..2545		

Seq. No.	34011	Seq. ID	OJ000251_07.0216.C49
Gene No.	70405	Strand	+
Start	221	End	2891
Name	OJ000251_07.0216.C49.o2.np	Method	AAT/NAP
Start	1323	End	2891
GI	130582	Score	1392
Exons	1323..2891		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94		

[CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE]
gi|100342|pir||S04273 hypothetical protein - common tobacco
gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]

Seq. No.	34011	Seq. ID	OJ000251_07.0216.C49
Gene No.	70406	Strand	-
Start	99	End	5094
Name	OJ000251_07.0216.C49.o1.np	Method	AAT/NAP
Start	99	End	5094
GI	4680183	Score	191
Exons	99..188, 799..869, 5073..5094		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	34011	Seq. ID	OJ000251_07.0216.C49
Gene No.	70406	Strand	-
Start	99	End	5094
Name	OJ000251_07.0216.C49.o2.tw	Method	TBLASTX:Wheat
Start	1262	End	1531
GI	none	Score	309
Exons	1262..1531, 1274..1492, 1300..1530		

Seq. No.	34011	Seq. ID	OJ000251_07.0216.C49
Gene No.	70406	Strand	-
Start	99	End	5094
Name	OJ000251_07.0216.C49.o3.tm	Method	TBLASTX:Maize
Start	1528	End	1957
GI	none	Score	321
Exons	1528..1824, 1529..1957		

Seq. No.	34011	Seq. ID	OJ000251_07.0216.C49
Gene No.	70406	Strand	-
Start	99	End	5094
Name	OJ000251_07.0216.C49.o1.tw	Method	TBLASTX:Wheat
Start	1532	End	2311
GI	none	Score	324
Exons	1532..1861, 1534..1845, 1856..2311		

Seq. No.	34011	Seq. ID	OJ000251_07.0216.C49
Gene No.	70406	Strand	-
Start	99	End	5094
Name	OJ000251_07.0216.C49.o1.ts	Method	TBLASTX:Soybean
Start	1553	End	1942
GI	none	Score	379
Exons	1553..1942, 1555..1845, 1697..1900		

Seq. No.	34011	Seq. ID	OJ000251_07.0216.C49
Gene No.	70406	Strand	-
Start	99	End	5094
Name	OJ000251_07.0216.C49.o2.tm	Method	TBLASTX:Maize
Start	1964	End	2409
GI	none	Score	108
Exons	1964..2122, 1972..2052, 2084..2401, 2098..2391, 2218..2409		

Seq. No.	34011	Seq. ID	OJ000251_07.0216.C49
Gene No.	70406	Strand	-
Start	99	End	5094
Name	OJ000251_07.0216.C49.o3.tw	Method	TBLASTX:Wheat

Start	2407	End	2858
GI	none	Score	149
Exons	2407..2628, 2438..2638, 2492..2644, 2709..2858		

Seq. No.	34011	Seq. ID	OJ000251_07.0216.C49
Gene No.	70406	Strand	-
Start	99	End	5094
Name	OJ000251_07.0216.C49.o1.tm	Method	TBLASTX:Maize
Start	2465	End	2885
GI	none	Score	310
Exons	2465..2734, 2467..2712, 2490..2714, 2492..2740, 2720..2881, 2721..2885, 2734..2880, 2756..2881		

Seq. No.	34011	Seq. ID	OJ000251_07.0216.C49
Gene No.	70406	Strand	-
Start	99	End	5094
Name	OJ000251_07.0216.C49.o2.ts	Method	TBLASTX:Soybean
Start	2488	End	2875
GI	none	Score	215
Exons	2488..2733, 2492..2734, 2495..2740, 2721..2759, 2784..2873, 2786..2875		

Seq. No.	34011	Seq. ID	OJ000251_07.0216.C49
Gene No.	70406	Strand	-
Start	99	End	5094
Name	OJ000251_07.0216.C49.o2.gs	Method	GENSCAN
Start	3312	End	5039
GI	none	Score	.5
Exons	3312..3421, 4031..4214, 4869..5039		

Seq. No.	34012	Seq. ID	OJ000251_07.0216.C50
Gene No.	70407	Strand	+
Start	37	End	133
Name	OJ000251_07.0216.C50.o1.gp	Method	AAT/GAP
Start	37	End	133
GI	uC-osflcyp088b12b1	Score	122
Exons	37..133		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	34013	Seq. ID	OJ000251_07.0216.C54
Gene No.	70408	Strand	-
Start	101	End	412
Name	OJ000251_07.0216.C54.o1.gs	Method	GENSCAN
Start	101	End	412
GI	none	Score	.67
Exons	101..412		

Seq. No.	34014	Seq. ID	OJ000251_07.0216.C55
Gene No.	70409	Strand	+
Start	1	End	512
Name	OJ000251_07.0216.C55.o1.np	Method	AAT/NAP
Start	1	End	512
GI	5852182	Score	59
Exons	1..34, 350..512		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	34014	Seq. ID	OJ000251_07.0216.C55
Gene No.	70410	Strand	+
Start	420	End	499
Name	OJ000251_07.0216.C55.o1.gs	Method	GENSCAN
Start	420	End	499
GI	none	Score	.68
Exons	420..499		

Seq. No.	34015	Seq. ID	OJ000251_07.0216.C56
Gene No.	70411	Strand	+
Start	254	End	472
Name	OJ000251_07.0216.C56.o1.np	Method	AAT/NAP
Start	254	End	472
GI	4972064	Score	139
Exons	254..472		
GI Descrip.	(AL078470) putative serine/threonine-specific receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	34016	Seq. ID	OJ000251_07.0216.C57
Gene No.	70412	Strand	+
Start	637	End	750
Name	OJ000251_07.0216.C57.o1.gs	Method	GENSCAN
Start	637	End	750
GI	none	Score	.96
Exons	637..750		

Seq. No.	34017	Seq. ID	OJ000251_07.0216.C59
Gene No.	70413	Strand	+
Start	261	End	659
Name	OJ000251_07.0216.C59.o1.np	Method	AAT/NAP
Start	261	End	659
GI	5734642	Score	119
Exons	261..368, 454..659		
GI Descrip.	(AP000391) ESTs C22657(S0014),C22656(S0014) correspond to a region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativa] gi|6006357|dbj|BAA84787.1| (AP000559) ESTs C22657(S0014),C22656(S0014) correspond to a region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativa]		

Seq. No.	34018	Seq. ID	OJ000251_07.0216.C60
Gene No.	70414	Strand	-
Start	415	End	678
Name	OJ000251_07.0216.C60.o1.np	Method	AAT/NAP
Start	306	End	463
GI	6907084	Score	137
Exons	306..463		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	34018	Seq. ID	OJ000251_07.0216.C60
Gene No.	70414	Strand	-
Start	415	End	678
Name	OJ000251_07.0216.C60.o2.gs	Method	GENSCAN
Start	415	End	678
GI	none	Score	.47
Exons	415..534, 592..678		

Seq. No.	34019	Seq. ID	OJ000251_07.0216.C61
Gene No.	70415	Strand	+
Start	1	End	120
Name	OJ000251_07.0216.C61.o1.np	Method	AAT/NAP
Start	1	End	120
GI	6630696	Score	117
Exons	1..120		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	34020	Seq. ID	OJ000251_07.0216.C62
Gene No.	70416	Strand	-
Start	1	End	533
Name	OJ000251_07.0216.C62.o1.np	Method	AAT/NAP
Start	1	End	533
GI	2160137	Score	124
Exons	1..23, 239..533		
GI Descrip.	(AC000375) Similar to Arabidopsis light repressible receptor protein kinase (gb|X97774). [Arabidopsis thaliana]		

Seq. No.	34020	Seq. ID	OJ000251_07.0216.C62
Gene No.	70416	Strand	-
Start	1	End	533
Name	OJ000251_07.0216.C62.o1.tm	Method	TBLASTX:Maize
Start	243	End	494
GI	none	Score	145
Exons	243..428, 248..487, 248..487, 387..494		

Seq. No.	34020	Seq. ID	OJ000251_07.0216.C62
Gene No.	70416	Strand	-
Start	1	End	533
Name	OJ000251_07.0216.C62.o1.gs	Method	GENSCAN
Start	251	End	493
GI	none	Score	.46
Exons	251..493		

Seq. No.	34021	Seq. ID	OJ000251_07.0216.C66
Gene No.	70417	Strand	-
Start	338	End	371
Name	OJ000251_07.0216.C66.o1.gs	Method	GENSCAN
Start	338	End	371
GI	none	Score	.65
Exons	338..371		

Seq. No.	34022	Seq. ID	OJ000251_07.0216.C70
Gene No.	70418	Strand	-
Start	509	End	556
Name	OJ000251_07.0216.C70.o1.gs	Method	GENSCAN
Start	509	End	556
GI	none	Score	.91
Exons	509..556		

Seq. No.	34023	Seq. ID	OJ000251_07.0216.C72
Gene No.	70419	Strand	-
Start	1	End	660

Name	OJ000251_07.0216.C72.o1.np	Method	AAT/NAP
Start	1	End	660
GI	6742729	Score	133
Exons	1..256, 640..660		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	34024	Seq. ID	OJ000251_07.0216.C75
Gene No.	70420	Strand	-
Start	1	End	674
Name	OJ000251_07.0216.C75.o1.np	Method	AAT/NAP
Start	1	End	642
GI	2160137	Score	292
Exons	1..320, 453..642		
GI Descrip.	(AC000375) Similar to Arabidopsis light repressible receptor protein kinase (gb|X97774). [Arabidopsis thaliana]		

Seq. No.	34024	Seq. ID	OJ000251_07.0216.C75
Gene No.	70420	Strand	-
Start	1	End	674
Name	OJ000251_07.0216.C75.o1.gs	Method	GENSCAN
Start	86	End	255
GI	none	Score	85
Exons	86..255		

Seq. No.	34024	Seq. ID	OJ000251_07.0216.C75
Gene No.	70420	Strand	-
Start	1	End	674
Name	OJ000251_07.0216.C75.o1.tc	Method	TBLASTX:Cress
Start	95	End	644
GI	none	Score	110
Exons	95..214, 230..319, 449..643, 450..644		

Seq. No.	34024	Seq. ID	OJ000251_07.0216.C75
Gene No.	70420	Strand	-
Start	1	End	674
Name	OJ000251_07.0216.C75.o1.ts	Method	TBLASTX:Soybean
Start	224	End	674
GI	none	Score	68
Exons	224..319, 449..643, 522..674		

Seq. No.	34024	Seq. ID	OJ000251_07.0216.C75
Gene No.	70420	Strand	-
Start	1	End	674
Name	OJ000251_07.0216.C75.o1.tw	Method	TBLASTX:Wheat
Start	230	End	643
GI	none	Score	56
Exons	230..334, 447..623, 449..622, 626..643		

Seq. No.	34024	Seq. ID	OJ000251_07.0216.C75
Gene No.	70420	Strand	-
Start	1	End	674
Name	OJ000251_07.0216.C75.o1.tm	Method	TBLASTX:Maize
Start	242	End	643
GI	none	Score	62
Exons	242..334, 447..611, 449..643		

Seq. No.	34025	Seq. ID	OJ000251_07.0216.C78

Gene No.	70421	Strand	-
Start	1	End	76
Name	OJ000251_07.0216.C78.o1.np	Method	AAT/NAP
Start	1	End	76
GI	6630696	Score	109
Exons	1..76		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	34026	Seq. ID	OJ000251_07.0216.C79
Gene No.	70422	Strand	-
Start	75	End	383
Name	OJ000251_07.0216.C79.o1.gs	Method	GENSCAN
Start	75	End	383
GI	none	Score	.98
Exons	75..383		

Seq. No.	34027	Seq. ID	OJ000251_07.0216.C84
Gene No.	70423	Strand	-
Start	94	End	316
Name	OJ000251_07.0216.C84.o1.gs	Method	GENSCAN
Start	94	End	316
GI	none	Score	.92
Exons	94..181, 225..316		

Seq. No.	34028	Seq. ID	OJ000251_07.0216.C85
Gene No.	70424	Strand	-
Start	219	End	419
Name	OJ000251_07.0216.C85.o1.gs	Method	GENSCAN
Start	219	End	419
GI	none	Score	.8
Exons	219..419		

Seq. No.	34029	Seq. ID	OJ000251_07.0216.C86
Gene No.	70425	Strand	+
Start	1	End	520
Name	OJ000251_07.0216.C86.o1.np	Method	AAT/NAP
Start	1	End	520
GI	5257279	Score	867
Exons	1..520		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	34029	Seq. ID	OJ000251_07.0216.C86
Gene No.	70425	Strand	+
Start	1	End	520
Name	OJ000251_07.0216.C86.o1.gs	Method	GENSCAN
Start	58	End	232
GI	none	Score	.49
Exons	58..232		

Seq. No.	34029	Seq. ID	OJ000251_07.0216.C86
Gene No.	70425	Strand	+
Start	1	End	520
Name	OJ000251_07.0216.C86.o1.tm	Method	TBLASTX:Maize
Start	175	End	500

GI	none	Score	212
Exons	175..498, 222..323, 366..500		

Seq. No.	34029	Seq. ID	OJ000251_07.0216.C86
Gene No.	70425	Strand	+
Start	1	End	520
Name	OJ000251_07.0216.C86.o1.tw	Method	TBLASTX:Wheat
Start	180	End	516
GI	none	Score	141
Exons	180..302, 181..402, 233..310, 400..498, 436..516, 447..515		

Seq. No.	34030	Seq. ID	OJ000251_07.0216.C87
Gene No.	70426	Strand	+
Start	301	End	553
Name	OJ000251_07.0216.C87.o2.np	Method	AAT/NAP
Start	301	End	553
GI	6721561	Score	107
Exons	301..553		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	34030	Seq. ID	OJ000251_07.0216.C87
Gene No.	70427	Strand	-
Start	179	End	553
Name	OJ000251_07.0216.C87.o1.np	Method	AAT/NAP
Start	179	End	553
GI	4680183	Score	98
Exons	179..268, 400..553		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	34031	Seq. ID	OJ000251_07.0216.C88
Gene No.	70428	Strand	+
Start	289	End	929
Name	OJ000251_07.0216.C88.o1.np	Method	AAT/NAP
Start	289	End	929
GI	6907087	Score	309
Exons	289..654, 732..929		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	34031	Seq. ID	OJ000251_07.0216.C88
Gene No.	70429	Strand	-
Start	376	End	840
Name	OJ000251_07.0216.C88.o1.gs	Method	GENSCAN
Start	376	End	840
GI	none	Score	.85
Exons	376..840		

Seq. No.	34032	Seq. ID	OJ000251_07.0216.C89
Gene No.	70430	Strand	+
Start	1	End	6156
Name	OJ000251_07.0216.C89.o1.np	Method	AAT/NAP
Start	1	End	2275

GI	4544372	Score	401
Exons	1..892, 2221..2275		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	34032	Seq. ID	OJ000251_07.0216.C89
Gene No.	70430	Strand	+
Start	1	End	6156
Name	OJ000251_07.0216.C89.o2.np	Method	AAT/NAP
Start	1722	End	6156
GI	6907087	Score	711
Exons	1722..2083, 2156..2722, 5454..5514, 6055..6156		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	34032	Seq. ID	OJ000251_07.0216.C89
Gene No.	70431	Strand	-
Start	5416	End	5772
Name	OJ000251_07.0216.C89.o1.tm	Method	TBLASTX:Maize
Start	73	End	450
GI	none	Score	204
Exons	73..450		

Seq. No.	34032	Seq. ID	OJ000251_07.0216.C89
Gene No.	70431	Strand	-
Start	5416	End	5772
Name	OJ000251_07.0216.C89.o1.ts	Method	TBLASTX:Soybean
Start	223	End	504
GI	none	Score	215
Exons	223..504, 411..503		

Seq. No.	34032	Seq. ID	OJ000251_07.0216.C89
Gene No.	70431	Strand	-
Start	5416	End	5772
Name	OJ000251_07.0216.C89.o2.gs	Method	GENSCAN
Start	5416	End	5772
GI	none	Score	.96
Exons	5416..5772		

Seq. No.	34033	Seq. ID	OJ000251_07.0216.C90
Gene No.	70432	Strand	+
Start	1	End	1856
Name	OJ000251_07.0216.C90.o1.np	Method	AAT/NAP
Start	1	End	1856
GI	6063554	Score	314
Exons	1..385, 492..731, 1681..1856		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	34033	Seq. ID	OJ000251_07.0216.C90
Gene No.	70433	Strand	+
Start	2712	End	4665
Name	OJ000251_07.0216.C90.o3.np	Method	AAT/NAP
Start	2712	End	4665
GI	4680186	Score	132

Exons	2712..2735, 4459..4665		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	34033	Seq. ID	OJ000251_07.0216.C90
Gene No.	70433	Strand	+
Start	2712	End	4665
Name	OJ000251_07.0216.C90.o4.gp	Method	AAT/GAP
Start	2913	End	3294
GI	uC-osf1cyp033a04b1	Score	635
Exons	2913..3294		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	34033	Seq. ID	OJ000251_07.0216.C90
Gene No.	70434	Strand	+
Start	6211	End	8359
Name	OJ000251_07.0216.C90.o5.np	Method	AAT/NAP
Start	6211	End	8359
GI	629693	Score	135
Exons	6211..6246, 8066..8359		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		
Seq. No.	34033	Seq. ID	OJ000251_07.0216.C90
Gene No.	70435	Strand	-
Start	1037	End	1103
Name	OJ000251_07.0216.C90.o1.gp	Method	AAT/GAP
Start	1037	End	1103
GI	uC-osroM202024h08a1	Score	82
Exons	1037..1103		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	34033	Seq. ID	OJ000251_07.0216.C90
Gene No.	70436	Strand	-
Start	1245	End	1765
Name	OJ000251_07.0216.C90.o2.gp	Method	AAT/GAP
Start	1245	End	1765
GI	uC-osf1M202048c12b1	Score	827
Exons	1245..1765		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	34033	Seq. ID	OJ000251_07.0216.C90
Gene No.	70437	Strand	-
Start	2228	End	2534
Name	OJ000251_07.0216.C90.o3.gp	Method	AAT/GAP
Start	2228	End	2534
GI	61605_3.R1084	Score	428
Exons	2228..2534		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	34033	Seq. ID	OJ000251_07.0216.C90
Gene No.	70438	Strand	-
Start	2841	End	3282
Name	OJ000251_07.0216.C90.o2.np	Method	AAT/NAP

Start	2841	End	3282
GI	4680186	Score	247
Exons	2841..3071, 3198..3282		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	34033	Seq. ID	OJ000251_07.0216.C90
Gene No.	70439	Strand	-
Start	5056	End	9698
Name	OJ000251_07.0216.C90.o4.np	Method	AAT/NAP
Start	5056	End	6719
GI	6907087	Score	864
Exons	5056..5157, 5666..6305, 6351..6719		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	34033	Seq. ID	OJ000251_07.0216.C90
Gene No.	70439	Strand	-
Start	5056	End	9698
Name	OJ000251_07.0216.C90.o2.gs	Method	GENSCAN
Start	5477	End	9698
GI	none	Score	.69
Exons	5477..6267, 6310..6470, 8103..8225, 8309..8506, 8685..9217, 9431..9480, 9610..9698		

Seq. No.	34033	Seq. ID	OJ000251_07.0216.C90
Gene No.	70439	Strand	-
Start	5056	End	9698
Name	OJ000251_07.0216.C90.o1.ts	Method	TBLASTX:Soybean
Start	8072	End	8322
GI	none	Score	240
Exons	8072..8314, 8074..8211, 8284..8322		

Seq. No.	34034	Seq. ID	OJ000251_07.0216.C91
Gene No.	70440	Strand	+
Start	1660	End	3705
Name	OJ000251_07.0216.C91.o1.gs	Method	GENSCAN
Start	1660	End	3705
GI	none	Score	.79
Exons	1660..1820, 2023..2224, 2231..2446, 2695..2964, 3016..3325, 3616..3705		

Seq. No.	34035	Seq. ID	OJ000251_07.0216.C92
Gene No.	70441	Strand	+
Start	56	End	449
Name	OJ000251_07.0216.C92.o1.gs	Method	GENSCAN
Start	56	End	449
GI	none	Score	.75
Exons	56..145, 394..449		

Seq. No.	34035	Seq. ID	OJ000251_07.0216.C92
Gene No.	70442	Strand	+
Start	4636	End	5110
Name	OJ000251_07.0216.C92.o1.gp	Method	AAT/GAP
Start	4636	End	5110
GI	LIB3434-038-P1-K1-F1	Score	677
Exons	4636..5110		

This Page is inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLORED OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☑ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☑ REPERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.
As rescanning documents *will not* correct images problems checked, please do not report the problems to the IFW Image Problem Mailbox